

Appendix 2. amounts of missing data for each outcome of our study.

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

	Total study population (n=381)	Patients with paid work (47%, n=181)
General patient characteristics		
Age, years	0 (0%)	0 (0%)
Sex	0 (0%)	0 (0%)
BMI, kg/m ²	16 (2%)	8 (4%)
Living with a partner	0 (0%)	0 (0%)
Educational level	2 (1%)	2 (1%)
Hand-specific characteristics		
Fulfilling ACR hand OA criteria	0 (0%)	0 (0%)
Erosive hand OA	3 (1%)	0 (0%)
Symptom duration, years	52 (14%)	25 (14%)
AUSCAN hand pain (0-20)	1 (0%)	0 (0%)
AUSCAN hand function (0-36)	2 (1%)	0 (0%)
Tender joint count (0-30)	0 (0%)	0 (0%)
KL summated score (0-120)	3 (1%)	0 (0%)
General burden		
Any comorbidity present	0 (0%)	0 (0%)
Amount of comorbidities	0 (0%)	0 (0%)
Fulfilling ACR hip osteoarthritis criteria	1 (0%)	0 (0%)
Fulfilling ACR knee osteoarthritis criteria	1 (0%)	0 (0%)
HADS total score (0-42)	2 (0%)	0 (0%)
Work characteristics		
Retired	0 (0%)	0 (0%)
Full work disability	0 (0%)	0 (0%)
Full work disability due to hand OA	0 (0%)	0 (0%)
Partial work disability	0 (0%)	0 (0%)
Partial work disability due to hand OA	0 (0%)	0 (0%)
Predominantly manual profession	43 (11%)	16 (9%)

* Defined as a score of 5 or 6 on the scale by de Zwart et al. Abbreviations: 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. Missing paid work outcomes of the Health and Labour Questionnaire concerning the last two weeks for patients having paid work (181 out of 381 patients)

Hours of paid work per week	3 (2%)
Absenteeism due to hand OA	
Any absenteeism	2 (1%)
Hours of absenteeism	3 (2%)
Unproductiveness at work due to hand OA	
Unproductiveness due to hand OA	0 (0%)
Hours of unproductiveness due to hand OA, if any	0 (0%)
Overall work productivity loss due to hand OA (= absenteeism and unproductive hours)	
Any work productivity loss due to hand OA	3 (2%)
Hours of work productivity loss due to hand OA, if any	2 (1%)
Activity restrictions at work due to hand OA	
Any form of hinder at work due to hand OA	10 (5%)
Hinder score complaints at work (6 - 24)	10 (5%)
Impaired concentration due to hand OA	10 (5%)

Needing to slow down work pace due to hand OA	10 (5%)
Needing to seclude oneself due to hand OA	11 (5%)
Difficulties in making decisions due to hand OA	10 (5%)
Inability to complete work due to hand OA	10 (5%)
Needing assistance at work due to hand OA	10 (5%)

Abbreviations: OA = osteoarthritis.

Table 3. Missing outcomes of the comparison of patients with and without productivity loss due to hand OA

	Patients with paid work (n=181)		All patients (n=381)	
	Paid work productivity loss (n=36)	No paid work productivity loss (n=145)	Unpaid work productivity loss (n=171)	No unpaid work productivity loss (n=210)
General patient characteristics				
Age, years	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Sex, women	0 (0%)	0 (0%)	0 (0%)	0 (0%)
BMI, kg/m ²	0 (0%)	8 (6%)	7 (4%)	9 (4%)
Living with a partner	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Education, high [§]	0 (0%)	2 (1%)	0 (0%)	2 (1%)
Hand-specific characteristics				
Fulfilling ACR hand OA criteria	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Erosive hand OA	0 (0%)	0 (0%)	2 (1%)	1 (0%)
Symptom duration, years [^]	3 (8%)	22 (15%)	29 (17%)	23 (11%)
AUSCAN hand pain (0-20)	0 (0%)	0 (0%)	1 (1%)	1 (0%)
AUSCAN hand function (0-36)	0 (0%)	0 (0%)	0 (0%)	1 (0%)
Tender joint count (0-30) [^]	0 (0%)	0 (0%)	0 (0%)	0 (0%)
KL summated score (0-120) [^]	0 (0%)	0 (0%)	1 (1%)	2 (1%)
General burden				
Any comorbidity present	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Amount of comorbidities [^]	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Fulfilling ACR hip osteoarthritis criteria	0 (0%)	0 (0%)	0 (0%)	1 (0%)
Fulfilling ACR knee osteoarthritis criteria	0 (0%)	0 (0%)	2 (1%)	3 (1%)
HADS total score (0-42) [^]	0 (0%)	0 (0%)	2 (1%)	0 (0%)
Work characteristics				
Retired	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Full work disability	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Full work disability due to hand OA, n (%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Partial work disability	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Partial work disability due to hand OA	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Unpaid work replacement	0 (0%)	0 (0%)	-	-
Paid work productivity loss	-	-	0 (0%)	0 (0%)
Predominantly manual profession*	6 (17%)	45 (31%)	47 (27%)	67 (32%)

Numbers represent amount (percentage of the total study sample). § 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. Missing outcomes of the Health and Labour Questionnaire for all patients (n=381), concerning unpaid work in the last two weeks

Activities	Hours performed	Perceived hinder due to hand OA	Patients needing replacement	Hours replaced in case of replacement
Total	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Housekeeping	1 (0%)	5 (1%)		
Groceries	1 (0%)	7 (2%)		
Chores	19 (5%)	7 (3%)		
Activities with own children	20 (8%)	5 (1%)		

Numbers represent amount (percentage) of the concerning study sample. Abbreviations: OA = osteoarthritis

Table 5. Missing societal costs of paid and unpaid work due to hand OA

	All patients (n=381)	Patients with paid work (n=181)	Patients under 65 years of age (n=263)
Cause of costs			
Absenteeism			
Mean costs per two weeks	2 (1%)	2 (1%)	2 (1%)
Mean costs per year	2 (1%)	2 (1%)	2 (1%)
Median costs per two weeks only for patients generating any costs^ (€) (amount of patients)	2 (1%)	2 (1%)	2 (1%)
Unproductive hours at paid work			
Mean costs per two weeks	0 (0%)	0 (0%)	0 (0%)
Mean costs per year	0 (0%)	0 (0%)	0 (0%)
Median costs per two weeks only for patients generating any costs^ (€) (amount of patients)	0 (0%)	0 (0%)	0 (0%)
Paid work productivity loss (= absenteeism + unproductive hours at work)			
Mean costs per two weeks	2 (1%)	2 (1%)	2 (1%)
Mean costs per year	2 (1%)	2 (1%)	2 (1%)
Median costs per two weeks only for patients generating any costs^ (€) (amount of patients)	2 (1%)	2 (1%)	2 (1%)
Total unpaid work replacement by others			
Mean costs per two weeks	0 (0%)	0 (0%)	0 (0%)
Mean costs per year	0 (0%)	0 (0%)	0 (0%)
Median costs per two weeks only for patients generating any costs^ (€) (amount of patients)	0 (0%)	0 (0%)	0 (0%)
Total paid and unpaid work productivity loss			
Mean costs per two weeks	0 (0%)	0 (0%)	0 (0%)
Mean costs per year	0 (0%)	0 (0%)	0 (0%)
Median costs per two weeks only for patients generating any costs^ (€) (amount of patients)	0 (0%)	0 (0%)	0 (0%)

Numbers represent amount (percentage) of the concerning study sample)