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Appendix 1: Pain Disability

Appendix 1.1 - Adjusted Modell - Pain Disability

<i>Appendix 1.1 - Adjusted Modell - Pain Disability</i>						
Characteristic	02 moderate pain disability			03 high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	1.82	1.43, 2.31	<0.001	2.06	1.49, 2.83	<0.001
03_bad	4.97	3.62, 6.82	<0.001	10.0	6.89, 14.6	<0.001
PHQ-4	1.23	1.17, 1.29	<0.001	1.50	1.43, 1.59	<0.001
Activity days per week						
00_never	—	—		—	—	
01_1day_per_wk	0.68	0.45, 1.01	0.057	0.62	0.40, 0.97	0.035
02_2days_per_wk	0.71	0.47, 1.06	0.090	0.72	0.46, 1.13	0.15
03_3days_per_wk	0.83	0.55, 1.26	0.39	0.84	0.52, 1.34	0.46
04_four or more	0.72	0.47, 1.11	0.14	1.03	0.64, 1.66	0.90
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	0.90	0.66, 1.23	0.51	0.78	0.57, 1.09	0.14
03_two to 4h per week	0.90	0.65, 1.23	0.50	0.61	0.44, 0.86	0.005
04_more than four h per week	0.56	0.39, 0.80	0.002	0.42	0.28, 0.63	<0.001
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	0.94	0.60, 1.46	0.78	1.05	0.65, 1.69	0.85
03_30 to 60 minutes	1.05	0.68, 1.62	0.82	1.03	0.64, 1.65	0.90
04_more than 60 minutes	1.19	0.76, 1.85	0.45	1.06	0.65, 1.73	0.81
Sex						
M	—	—		—	—	
W	0.91	0.75, 1.10	0.32	0.87	0.70, 1.08	0.20
Age	1.00	0.99, 1.01	0.49	1.02	1.01, 1.03	0.004
Number of M-Diagnoses	1.07	1.04, 1.09	<0.001	1.17	1.14, 1.19	<0.001
Number of F-Diagnoses	0.99	0.97, 1.01	0.34	0.99	0.96, 1.01	0.29
Sitting time						
01_less than half of the day	—	—		—	—	
02_half of the day	1.02	0.79, 1.31	0.90	0.82	0.62, 1.09	0.18
03_at least 3/4 of the day	1.05	0.82, 1.36	0.70	0.70	0.53, 0.93	0.015
04_almost all day	0.96	0.71, 1.29	0.79	0.80	0.58, 1.12	0.20
Job Status						
01_unemployed	—	—		—	—	
02_self employed	1.12	0.75, 1.67	0.59	1.06	0.68, 1.66	0.80
03_regularly employed	1.11	0.76, 1.61	0.59	0.92	0.60, 1.39	0.68
wscore	0.96	0.90, 1.03	0.30	0.97	0.90, 1.05	0.50

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 1.2 - Adjusted Modell - Pain Disability - Sex = Female

Appendix 1.2 - Adjusted Modell - Pain Disability - Sex = Female						
Characteristic	02 moderate pain disability			03 high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	1.57	1.04, 2.36	0.031	2.08	1.18, 3.67	0.012
03_bad	4.46	2.66, 7.50	<0.001	10.4	5.49, 19.6	<0.001
PHQ-4	1.18	1.09, 1.28	<0.001	1.44	1.32, 1.56	<0.001
Activity days per week						
00_never	—	—		—	—	
01_1day_per_wk	0.71	0.34, 1.49	0.37	0.69	0.30, 1.59	0.38
02_2days_per_wk	0.44	0.21, 0.94	0.035	0.69	0.29, 1.63	0.40
03_3days_per_wk	0.56	0.26, 1.23	0.15	0.79	0.32, 1.93	0.61
04_four or more	0.47	0.21, 1.05	0.067	1.17	0.48, 2.84	0.74
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	1.09	0.63, 1.91	0.75	0.81	0.45, 1.47	0.49
03_two to 4h per week	0.97	0.55, 1.74	0.93	0.47	0.25, 0.88	0.018
04_more than four h per week	0.59	0.30, 1.16	0.13	0.30	0.14, 0.63	0.002
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	0.66	0.30, 1.44	0.29	0.76	0.32, 1.83	0.54
03_30 to 60 minutes	1.00	0.47, 2.12	>0.99	1.04	0.44, 2.44	0.93
04_more than 60 minutes	1.28	0.59, 2.78	0.54	1.09	0.45, 2.63	0.85
Age	1.01	0.99, 1.02	0.46	1.02	1.01, 1.04	0.009
Number of M-Diagnoses	1.09	1.04, 1.14	<0.001	1.20	1.14, 1.26	<0.001
Number of F-Diagnoses	1.00	0.97, 1.04	0.89	1.02	0.98, 1.06	0.30
Sitting_time						
01_less than half of the day	—	—		—	—	
02_half of the day	1.21	0.81, 1.82	0.35	0.93	0.58, 1.47	0.75
03_at least 3/4 of the day	0.97	0.64, 1.49	0.90	0.73	0.45, 1.19	0.21
04_almost all day	1.19	0.72, 1.97	0.50	1.00	0.56, 1.79	>0.99
Job Status						
01_unemployed	—	—		—	—	
02_self employed	1.19	0.68, 2.08	0.55	0.97	0.52, 1.80	0.92
03_regularly employed	1.04	0.64, 1.70	0.87	0.74	0.43, 1.27	0.27
wscore	0.96	0.84, 1.10	0.58	1.05	0.91, 1.20	0.51

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 1.3 - Adjusted Modell - Pain Disability - Sex = Male

<i>Appendix 1.3 - Adjusted Modell - Pain Disability - Sex = Male</i>						
Characteristic	02 moderate pain disability			03 high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	1.95	1.45, 2.63	<0.001	1.98	1.34, 2.93	<0.001
03_bad	5.44	3.63, 8.15	<0.001	10.0	6.27, 16.0	<0.001
PHQ-4	1.26	1.18, 1.34	<0.001	1.55	1.45, 1.66	<0.001
Activity days per week						
00_never	—	—		—	—	
01_1day_per_wk	0.60	0.37, 0.99	0.044	0.55	0.32, 0.94	0.029
02_2days_per_wk	0.83	0.52, 1.35	0.46	0.70	0.41, 1.18	0.18
03_3days_per_wk	0.96	0.58, 1.59	0.88	0.83	0.48, 1.45	0.51
04_four or more	0.85	0.50, 1.43	0.54	0.93	0.53, 1.63	0.79
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	0.83	0.58, 1.21	0.33	0.74	0.50, 1.10	0.14
03_two to 4h per week	0.88	0.60, 1.28	0.50	0.68	0.45, 1.03	0.068
04_more than four h per week	0.55	0.36, 0.85	0.007	0.49	0.31, 0.79	0.003
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	1.17	0.68, 2.02	0.57	1.28	0.72, 2.29	0.40
03_30 to 60 minutes	1.15	0.67, 1.97	0.61	1.07	0.60, 1.91	0.81
04_more than 60 minutes	1.21	0.70, 2.09	0.49	1.08	0.60, 1.95	0.79
Age	1.00	0.99, 1.01	0.91	1.01	1.00, 1.03	0.13
Number of M-Diagnoses	1.06	1.03, 1.09	<0.001	1.16	1.12, 1.19	<0.001
Number of F-Diagnoses	0.98	0.95, 1.01	0.16	0.96	0.93, 0.99	0.012
Sitting time						
01_less than half of the day	—	—		—	—	
02_half of the day	0.92	0.66, 1.28	0.62	0.76	0.53, 1.11	0.15
03_at least 3/4 of the day	1.06	0.76, 1.47	0.73	0.66	0.46, 0.95	0.025
04_almost all day	0.89	0.61, 1.29	0.53	0.71	0.47, 1.07	0.10
Job Status						
01_unemployed	—	—		—	—	
02_self employed	1.16	0.62, 2.17	0.64	1.30	0.64, 2.65	0.46
03_regularly employed	1.22	0.67, 2.22	0.52	1.18	0.59, 2.34	0.64
wscore	0.96	0.89, 1.05	0.39	0.95	0.87, 1.04	0.25

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 2: Pain Intensity

Appendix 2.1 - Adjusted Modell - Pain Intensity

<i>Appendix 2.1 - Adjusted Modell - Pain Intensity</i>			
Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_Very good	—	—	
02_good	1.65	1.33, 2.06	<0.001
03_bad	4.28	3.30, 5.58	<0.001
PHQ-4	1.27	1.22, 1.32	<0.001
Activity days per week			
00_never	—	—	
01_1day_per_wk	0.70	0.50, 0.98	0.036
02_2days_per_wk	0.65	0.46, 0.91	0.011
03_3days_per_wk	0.84	0.59, 1.20	0.34
04_four or more	0.98	0.69, 1.40	0.91
Sport days per week			
01_no sports	—	—	
02_less than two h per week	0.93	0.72, 1.19	0.55
03_two to 4h per week	0.89	0.69, 1.15	0.36
04_more than four h per week	0.66	0.49, 0.89	0.007
Duration physical activity			
01_less than ten minutes	—	—	
02_10 to 30 minutes	1.13	0.79, 1.62	0.50
03_30 to 60 minutes	1.06	0.74, 1.51	0.75
04_more than 60 minutes	1.24	0.86, 1.78	0.24
Sex			
M	—	—	
W	1.20	1.02, 1.41	0.025
Age	1.00	0.99, 1.01	0.60
Number of M-Diagnoses	1.06	1.04, 1.08	<0.001
Number of F-Diagnoses	0.97	0.95, 0.99	<0.001
Sitting_time			
01_less than half of the day	—	—	
02_half of the day	0.86	0.69, 1.07	0.18
03_at least 3/4 of the day	0.99	0.80, 1.23	0.92
04_almost all day	0.96	0.74, 1.23	0.72
Job Status			
01_unemployed	—	—	
02_self_employed	1.32	0.94, 1.85	0.11
03_regularly_employed	1.22	0.89, 1.67	0.22
wscore	0.98	0.93, 1.04	0.51

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 2.2 - Adjusted Modell - Pain Intensity - Sex = Female

<i>Appendix 2.2 - Adjusted Modell - Pain Intensity - Sex = Female</i>			
Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_Very good	—	—	
02_good	1.89	1.31, 2.75	<0.001
03_bad	4.05	2.63, 6.28	<0.001
PHQ-4	1.25	1.18, 1.34	<0.001
Activity days per week			
00_never	—	—	
01_1day_per_wk	1.05	0.57, 1.91	0.88
02_2days_per_wk	0.76	0.40, 1.41	0.38
03_3days_per_wk	1.10	0.58, 2.10	0.77
04_four or more	1.35	0.70, 2.60	0.37
Sport days per week			
01_no sports	—	—	
02_less than two h per week	0.81	0.51, 1.27	0.36
03_two to 4h per week	0.71	0.44, 1.14	0.16
04_more than four h per week	0.37	0.21, 0.65	<0.001
Duration physical activity			
01_less than ten minutes	—	—	
02_10 to 30 minutes	0.98	0.51, 1.87	0.95
03_30 to 60 minutes	1.06	0.57, 1.98	0.86
04_more than 60 minutes	1.40	0.74, 2.67	0.30
Age	1.00	0.99, 1.01	0.84
Number of M-Diagnoses	1.06	1.03, 1.10	<0.001
Number of F-Diagnoses	0.97	0.94, 0.99	0.005
Sitting time			
01_less than half of the day	—	—	
02_half of the day	0.85	0.60, 1.19	0.34
03_at least 3/4 of the day	0.90	0.62, 1.28	0.55
04_almost all day	1.01	0.66, 1.55	0.97
Job Status			
01_unemployed	—	—	
02_self_employed	1.18	0.74, 1.89	0.48
03_regularly_employed	1.07	0.70, 1.61	0.76
wscore	0.96	0.87, 1.06	0.43

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 2.3 - Adjusted Modell - Pain Intensity - Sex = Male

<i>Appendix 2.3 - Adjusted Modell - Pain Intensity - Sex = Male</i>			
Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_ <i>Very good</i>	—	—	
02_ <i>good</i>	1.57	1.20, 2.08	0.001
03_ <i>bad</i>	4.62	3.32, 6.46	<0.001
PHQ-4	1.28	1.22, 1.34	<0.001
Activity days per week			
00_ <i>never</i>	—	—	
01_ <i>1day_per_wk</i>	0.56	0.37, 0.83	0.005
02_ <i>2days_per_wk</i>	0.62	0.41, 0.92	0.017
03_ <i>3days_per_wk</i>	0.76	0.50, 1.15	0.19
04_ <i>four or more</i>	0.86	0.56, 1.32	0.49
Sport days per week			
01_ <i>no sports</i>	—	—	
02_ <i>less than two h per week</i>	0.95	0.71, 1.29	0.76
03_ <i>two to 4h per week</i>	0.97	0.71, 1.32	0.83
04_ <i>more than four h per week</i>	0.85	0.59, 1.21	0.36
Duration physical activity			
01_ <i>less than ten minutes</i>	—	—	
02_ <i>10 to 30 minutes</i>	1.23	0.79, 1.90	0.36
03_ <i>30 to 60 minutes</i>	1.04	0.67, 1.62	0.84
04_ <i>more than 60 minutes</i>	1.17	0.75, 1.82	0.50
Age	0.99	0.98, 1.01	0.33
Number of M-Diagnoses	1.06	1.04, 1.08	<0.001
Number of F-Diagnoses	0.98	0.95, 1.00	0.078
Sitting time			
01_ <i>less than half of the day</i>	—	—	
02_ <i>half of the day</i>	0.87	0.65, 1.16	0.33
03_ <i>at least 3/4 of the day</i>	1.02	0.77, 1.35	0.88
04_ <i>almost all day</i>	0.94	0.68, 1.29	0.68
Job Status			
01_ <i>unemployed</i>	—	—	
02_ <i>self employed</i>	1.70	0.99, 2.95	0.055
03_ <i>regularly employed</i>	1.59	0.95, 2.72	0.082
wscore	0.99	0.92, 1.06	0.70

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 3: Subgroup analyses

Appendix 3.1 - Adjusted Modell - Pain Disability – Pre Covid

<i>Appendix 3.1 - Adjusted Modell - Pain Disability – Pre Covid</i>						
Characteristic	02_moderate pain disability			03_high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	1.42	0.98, 2.06	0.064	1.96	1.23, 3.13	0.004
03_bad	4.30	2.73, 6.76	<0.001	9.34	5.54, 15.8	<0.001
PHQ-4	1.16	1.08, 1.24	<0.001	1.42	1.33, 1.52	<0.001
Activity days per week						
00_never	—	—		—	—	
01_1day_per_wk	0.80	0.48, 1.34	0.41	0.68	0.40, 1.17	0.16
02_2days_per_wk	0.77	0.46, 1.29	0.32	0.80	0.47, 1.36	0.41
03_3days_per_wk	0.80	0.47, 1.37	0.42	0.85	0.48, 1.49	0.56
04_four or more	0.93	0.53, 1.62	0.79	1.23	0.69, 2.20	0.48
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	1.01	0.68, 1.49	0.97	0.80	0.54, 1.18	0.26
03_two to 4h per week	1.13	0.76, 1.68	0.54	0.80	0.54, 1.21	0.29
04_more than four h per week	0.71	0.45, 1.13	0.15	0.57	0.36, 0.92	0.021
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	0.76	0.43, 1.36	0.36	0.87	0.48, 1.57	0.64
03_30 to 60 minutes	0.81	0.46, 1.42	0.47	0.86	0.48, 1.55	0.62
04_more than 60 minutes	0.91	0.51, 1.61	0.74	0.80	0.44, 1.46	0.47
Sex						
M	—	—		—	—	
W	0.97	0.74, 1.26	0.80	0.95	0.72, 1.26	0.72
Age	1.00	0.99, 1.02	0.75	1.01	1.00, 1.03	0.14
Number of M-Diagnoses	1.05	1.02, 1.07	0.002	1.13	1.10, 1.16	<0.001
Number of F-Diagnoses	0.99	0.96, 1.01	0.31	0.98	0.95, 1.00	0.090
Sitting_time						
01_less than half of the day	—	—		—	—	
02_half of the day	0.96	0.68, 1.35	0.83	0.84	0.59, 1.20	0.34
03_at least 3/4 of the day	1.00	0.71, 1.42	0.98	0.77	0.53, 1.11	0.16
04_almost all day	0.96	0.64, 1.44	0.83	0.84	0.55, 1.29	0.44
Job Status						
01_unemployed	—	—		—	—	
02_self_employed	0.78	0.44, 1.40	0.41	0.79	0.43, 1.46	0.45
03_regularly_employed	0.94	0.54, 1.64	0.84	0.83	0.46, 1.50	0.54
Wscore	0.92	0.85, 0.99	0.037	0.90	0.82, 0.98	0.011

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 3.2 - Adjusted Modell - Pain Disability – During Covid

<i>Appendix 3.2 - Adjusted Modell - Pain Disability - During Covid</i>						
Characteristic	02 moderate pain disability			03 high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	1.98	1.43, 2.74	< 0.001	1.42	0.88, 2.28	0.15
03_bad	4.68	2.88, 7.61	< 0.001	7.19	3.98, 13.0	< 0.001
PHQ-4	1.35	1.25, 1.46	< 0.001	1.73	1.58, 1.90	< 0.001
Activity days per week						
00_never	—	—		—	—	
01_1day_per_wk	0.49	0.25, 0.96	0.037	0.52	0.23, 1.19	0.12
02_2days_per_wk	0.61	0.31, 1.20	0.16	0.59	0.25, 1.37	0.22
03_3days_per_wk	0.78	0.39, 1.58	0.49	0.74	0.31, 1.81	0.51
04_four or more	0.59	0.28, 1.21	0.15	0.96	0.39, 2.36	0.94
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	0.73	0.44, 1.23	0.24	0.87	0.47, 1.62	0.66
03_two to 4h per week	0.62	0.36, 1.08	0.090	0.42	0.22, 0.83	0.012
04_more than four h per week	0.38	0.20, 0.71	0.002	0.29	0.13, 0.64	0.002
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	1.39	0.67, 2.87	0.38	1.60	0.67, 3.84	0.29
03_30 to 60 minutes	1.65	0.80, 3.40	0.18	1.43	0.60, 3.43	0.42
04_more than 60 minutes	1.78	0.86, 3.72	0.12	1.50	0.61, 3.69	0.38
Sex						
M	—	—		—	—	
W	0.86	0.66, 1.14	0.30	0.85	0.59, 1.22	0.38
Age	1.00	0.99, 1.02	0.88	1.02	1.00, 1.04	0.057
Number of M-Diagnoses	1.09	1.04, 1.14	< 0.001	1.23	1.17, 1.29	< 0.001
Number of F-Diagnoses	0.95	0.88, 1.02	0.18	0.96	0.89, 1.03	0.27
Sitting_time						
01_less than half of the day	—	—		—	—	
02_half of the day	1.10	0.73, 1.65	0.65	0.75	0.45, 1.26	0.28
03_at least 3/4 of the day	1.18	0.80, 1.74	0.41	0.63	0.38, 1.03	0.067
04_almost all day	0.99	0.63, 1.55	0.95	0.75	0.43, 1.33	0.33
Job Status						
01_unemployed	—	—		—	—	
02_self_employed	1.55	0.84, 2.87	0.16	1.21	0.56, 2.58	0.63
03_regularly_employed	1.18	0.68, 2.05	0.55	0.87	0.44, 1.73	0.69
wscore	1.01	0.87, 1.17	0.92	1.05	0.88, 1.26	0.61

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 3.3 - Adjusted Modell - Pain Intensity – Pre Covid

<i>Appendix 3.3 - Adjusted Modell - Pain Intensity – Pre Covid</i>			
Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_ <i>Very good</i>	—	—	
02_ <i>good</i>	1.32	0.94, 1.87	0.11
03_ <i>bad</i>	3.60	2.48, 5.27	<0.001
PHQ-4	1.22	1.16, 1.28	<0.001
Activity days per week			
00_ <i>never</i>	—	—	
01_ <i>1day_per_wk</i>	0.71	0.47, 1.06	0.10
02_ <i>2days_per_wk</i>	0.75	0.50, 1.12	0.16
03_ <i>3days_per_wk</i>	0.90	0.59, 1.37	0.62
04_ <i>four or more</i>	1.07	0.69, 1.65	0.77
Sport days per week			
01_ <i>no sports</i>	—	—	
02_ <i>less than two h per week</i>	0.89	0.66, 1.20	0.44
03_ <i>two to 4h per week</i>	0.91	0.67, 1.24	0.55
04_ <i>more than four h per week</i>	0.65	0.45, 0.94	0.022
Duration physical activity			
01_ <i>less than ten minutes</i>	—	—	
02_ <i>10 to 30 minutes</i>	1.08	0.69, 1.67	0.74
03_ <i>30 to 60 minutes</i>	1.02	0.66, 1.57	0.94
04_ <i>more than 60 minutes</i>	1.11	0.71, 1.72	0.66
Sex			
M	—	—	
W	1.14	0.92, 1.41	0.24
Age	1.00	0.99, 1.01	0.84
Number of M-Diagnoses	1.05	1.04, 1.07	<0.001
Number of F-Diagnoses	0.97	0.96, 0.99	0.005
Sitting time			
01_ <i>less than half of the day</i>	—	—	
02_ <i>half of the day</i>	0.85	0.64, 1.11	0.23
03_ <i>at least 3/4 of the day</i>	0.96	0.73, 1.27	0.79
04_ <i>almost all day</i>	0.96	0.69, 1.34	0.82
Job Status			
01_ <i>unemployed</i>	—	—	
02_ <i>self employed</i>	1.51	0.95, 2.39	0.079
03_ <i>regularly employed</i>	1.32	0.85, 2.05	0.22
wscore	0.97	0.91, 1.03	0.30

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 3.4 - Adjusted Modell - Pain Intensity – During Covid

Appendix 3.4 - Adjusted Modell - Pain Intensity – During Covid

Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_ <i>Very good</i>	—	—	
02_ <i>good</i>	1.81	1.34, 2.46	<0.001
03_ <i>bad</i>	4.43	2.94, 6.74	<0.001
PHQ-4	1.36	1.28, 1.46	<0.001
Activity days per week			
00_ <i>never</i>	—	—	
01_ <i>1day per wk</i>	0.72	0.39, 1.30	0.27
02_ <i>2days per wk</i>	0.54	0.29, 0.98	0.044
03_ <i>3days per wk</i>	0.79	0.42, 1.48	0.45
04_ <i>four or more</i>	0.92	0.48, 1.76	0.81
Sport days per week			
01_ <i>no sports</i>	—	—	
02_ <i>less than two h per week</i>	1.02	0.65, 1.60	0.94
03_ <i>two to 4h per week</i>	0.87	0.54, 1.41	0.58
04_ <i>more than four h per week</i>	0.67	0.38, 1.17	0.16
Duration physical activity			
01_ <i>less than ten minutes</i>	—	—	
02_ <i>10 to 30 minutes</i>	1.17	0.62, 2.22	0.64
03_ <i>30 to 60 minutes</i>	1.10	0.58, 2.09	0.76
04_ <i>more than 60 minutes</i>	1.41	0.74, 2.71	0.30
Sex			
M	—	—	
W	1.31	1.02, 1.68	0.035
Age	1.00	0.99, 1.01	0.85
Number of M-Diagnoses	1.07	1.03, 1.11	<0.001
Number of F-Diagnoses	0.97	0.92, 1.04	0.40
Sitting time			
01_ <i>less than half of the day</i>	—	—	
02_ <i>half of the day</i>	0.91	0.64, 1.31	0.62
03_ <i>at least 3/4 of the day</i>	1.04	0.73, 1.48	0.82
04_ <i>almost all day</i>	0.94	0.63, 1.41	0.78
Job Status			
01_ <i>unemployed</i>	—	—	
02_ <i>self employed</i>	1.08	0.63, 1.86	0.79
03_ <i>regularly employed</i>	1.16	0.71, 1.88	0.56
wscore	1.03	0.90, 1.18	0.65

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 4: Sensitivity analyses

Appendix 4.1 - Adjusted Modell - Pain Disability – Pre Covid - Sensitivity

<i>Appendix 4.1 - Adjusted Modell - Pain Disability – Pre Covid - Sensitivity</i>						
Characteristic	02 moderate pain disability			03 high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	1.55	0.98, 2.46	0.062	2.80	1.52, 5.15	<0.001
03_bad	4.31	2.48, 7.50	<0.001	13.1	6.71, 25.7	<0.001
PHQ-4	1.12	1.03, 1.22	0.006	1.44	1.33, 1.56	<0.001
Activity days per week						
00_never	—	—		—	—	
01_1day per wk	0.77	0.41, 1.47	0.43	0.73	0.37, 1.44	0.36
02_2days per wk	0.65	0.34, 1.24	0.19	0.72	0.37, 1.40	0.33
03_3days per wk	0.59	0.30, 1.14	0.12	0.71	0.35, 1.43	0.34
04_four or more	0.79	0.39, 1.57	0.49	1.03	0.51, 2.12	0.93
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	0.97	0.61, 1.56	0.91	0.78	0.48, 1.25	0.30
03_two to 4h per week	1.27	0.79, 2.06	0.33	0.98	0.60, 1.59	0.92
04_more than four h per week	0.77	0.44, 1.35	0.36	0.66	0.37, 1.18	0.17
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	0.89	0.44, 1.80	0.75	1.03	0.50, 2.12	0.94
03_30 to 60 minutes	1.06	0.53, 2.12	0.87	1.06	0.52, 2.16	0.88
04_more than 60 minutes	1.06	0.53, 2.14	0.86	1.14	0.55, 2.34	0.73
Sex						
M	—	—		—	—	
W	0.90	0.65, 1.26	0.54	1.02	0.72, 1.44	0.93
Age	1.00	0.98, 1.02	0.88	1.01	0.99, 1.03	0.53
Number of M-Diagnoses	1.05	1.01, 1.08	0.013	1.16	1.12, 1.20	<0.001
Number of F-Diagnoses	0.99	0.97, 1.02	0.66	0.97	0.95, 1.00	0.055
Sitting_time						
01_less than half of the day	—	—		—	—	
02_half of the day	0.93	0.62, 1.39	0.71	0.71	0.46, 1.10	0.12
03_at least 3/4 of the day	0.93	0.61, 1.41	0.72	0.85	0.55, 1.32	0.47
04_almost all day	0.71	0.42, 1.17	0.18	0.72	0.43, 1.22	0.23
Job Status						
01_unemployed	—	—		—	—	
02_self employed	0.80	0.40, 1.62	0.54	0.69	0.34, 1.42	0.31
03_regularly employed	0.89	0.46, 1.74	0.74	0.73	0.37, 1.45	0.37
wscore	0.94	0.85, 1.04	0.21	0.92	0.83, 1.02	0.10

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 4.2 - Adjusted Modell - Pain Disability – During Covid Sensitivity

Appendix 4.2 - Adjusted Modell - Pain Disability – During Covid-Sensitivity

Characteristic	02 moderate pain disability			03 high pain disability		
	OR ¹	95% CI ¹	p-value	OR ¹	95% CI ¹	p-value
Overall health						
01_Very good	—	—		—	—	
02_good	2.00	1.43, 2.79	<0.001	1.45	0.88, 2.39	0.15
03_bad	4.95	2.97, 8.26	<0.001	7.60	4.07, 14.2	<0.001
PHQ-4	1.33	1.22, 1.44	<0.001	1.67	1.52, 1.84	<0.001
Activity days per week						
00_never	—	—		—	—	
01_1day_per_wk	0.50	0.25, 0.99	0.047	0.53	0.22, 1.28	0.16
02_2days_per_wk	0.59	0.30, 1.19	0.14	0.59	0.24, 1.45	0.25
03_3days_per_wk	0.75	0.36, 1.55	0.43	0.87	0.34, 2.22	0.76
04_four or more	0.61	0.29, 1.29	0.19	0.99	0.38, 2.57	0.99
Sport days per week						
01_no sports	—	—		—	—	
02_less than two h per week	0.77	0.45, 1.32	0.34	0.86	0.44, 1.67	0.65
03_two to 4h per week	0.64	0.36, 1.13	0.12	0.42	0.20, 0.86	0.018
04_more than four h per week	0.39	0.20, 0.76	0.006	0.30	0.13, 0.68	0.004
Duration physical activity						
01_less than ten minutes	—	—		—	—	
02_10 to 30 minutes	1.12	0.52, 2.37	0.78	1.14	0.45, 2.86	0.78
03_30 to 60 minutes	1.44	0.68, 3.04	0.34	1.05	0.41, 2.63	0.92
04_more than 60 minutes	1.52	0.71, 3.25	0.28	1.12	0.43, 2.89	0.82
Sex						
M	—	—		—	—	
W	0.86	0.64, 1.14	0.28	0.90	0.61, 1.32	0.58
Age	1.00	0.99, 1.02	0.81	1.02	1.00, 1.04	0.14
Number of M-Diagnoses	1.09	1.04, 1.14	<0.001	1.23	1.17, 1.30	<0.001
Number of F-Diagnoses	0.95	0.87, 1.04	0.26	0.98	0.89, 1.07	0.60
Sitting_time						
01_less than half of the day	—	—		—	—	
02_half of the day	1.09	0.71, 1.65	0.70	0.75	0.44, 1.30	0.31
03_at least 3/4 of the day	1.16	0.77, 1.74	0.47	0.63	0.37, 1.07	0.086
04_almost all day	0.99	0.62, 1.58	0.96	0.74	0.40, 1.35	0.32
Job Status						
01_unemployed	—	—		—	—	
02_self_employed	1.42	0.74, 2.72	0.29	1.00	0.44, 2.29	>0.99
03_regularly_employed	1.08	0.60, 1.92	0.81	0.79	0.38, 1.66	0.54
wscore	1.04	0.88, 1.22	0.66	0.99	0.79, 1.23	0.91

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 4.3 - Adjusted Modell - Pain Intensity – Pre Covid - Sensitivity

<i>Appendix 4.3 - Adjusted Modell - Pain Intensity – Pre Covid - Sensitivity</i>			
Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_Very good	—	—	
02_good	1.55	1.00, 2.43	0.052
03_bad	4.46	2.78, 7.28	<0.001
PHQ-4	1.24	1.18, 1.32	<0.001
Activity days per week			
00_never	—	—	
01_1day_per_wk	0.74	0.44, 1.23	0.25
02_2days_per_wk	0.68	0.41, 1.13	0.13
03_3days_per_wk	0.74	0.43, 1.27	0.27
04_four or more	0.97	0.56, 1.67	0.92
Sport days per week			
01_no sports	—	—	
02_less than two h per week	0.86	0.60, 1.24	0.43
03_two to 4h per week	1.07	0.74, 1.55	0.73
04_more than four h per week	0.69	0.44, 1.07	0.10
Duration physical activity			
01_less than ten minutes	—	—	
02_10 to 30 minutes	1.18	0.68, 2.04	0.55
03_30 to 60 minutes	1.07	0.62, 1.84	0.80
04_more than 60 minutes	1.25	0.72, 2.16	0.42
Sex			
M	—	—	
W	1.03	0.79, 1.35	0.83
Age	1.01	0.99, 1.02	0.36
Number of M-Diagnoses	1.06	1.04, 1.09	<0.001
Number of F-Diagnoses	0.98	0.96, 1.00	0.030
Sitting_time			
01_less than half of the day	—	—	
02_half of the day	0.77	0.55, 1.07	0.12
03_at least 3/4 of the day	1.00	0.71, 1.40	0.98
04_almost all day	0.92	0.61, 1.38	0.68
Job Status			
01_unemployed	—	—	
02_self_employed	1.51	0.87, 2.63	0.15
03_regularly_employed	1.41	0.83, 2.40	0.20
wscore	0.97	0.90, 1.05	0.50

¹OR = Odds Ratio, CI = Confidence Interval

Appendix 4.4 - Adjusted Modell - Pain Intensity – During Covid - Sensitivity

<i>Appendix 4.4 - Adjusted Modell - Pain Intensity – During Covid - Sensitivity</i>			
Characteristic	OR ¹	95% CI ¹	p-value
Overall health			
01_ <i>Very good</i>	—	—	
02_ <i>good</i>	1.84	1.35, 2.53	<0.001
03_ <i>bad</i>	4.52	2.93, 7.05	<0.001
PHQ-4	1.36	1.27, 1.46	<0.001
Activity days per week			
00_ <i>never</i>	—	—	
01_ <i>1day_per_wk</i>	0.71	0.38, 1.34	0.29
02_ <i>2days_per_wk</i>	0.47	0.25, 0.89	0.020
03_ <i>3days_per_wk</i>	0.68	0.35, 1.32	0.26
04_ <i>four or more</i>	0.78	0.40, 1.54	0.48
Sport days per week			
01_ <i>no sports</i>	—	—	
02_ <i>less than two h per week</i>	1.03	0.63, 1.67	0.90
03_ <i>two to 4h per week</i>	0.93	0.55, 1.56	0.78
04_ <i>more than four h per week</i>	0.77	0.42, 1.40	0.39
Duration physical activity			
01_ <i>less than ten minutes</i>	—	—	
02_ <i>10 to 30 minutes</i>	1.01	0.52, 1.99	0.97
03_ <i>30 to 60 minutes</i>	1.02	0.52, 2.00	0.95
04_ <i>more than 60 minutes</i>	1.27	0.64, 2.51	0.49
Sex			
M	—	—	
W	1.30	1.00, 1.69	0.049
Age	1.00	0.98, 1.01	0.60
Number of M-Diagnoses	1.07	1.03, 1.12	<0.001
Number of F-Diagnoses	0.97	0.91, 1.04	0.39
Sitting time			
01_ <i>less than half of the day</i>	—	—	
02_ <i>half of the day</i>	0.88	0.60, 1.28	0.50
03_ <i>at least 3/4 of the day</i>	0.99	0.69, 1.43	0.95
04_ <i>almost all day</i>	0.91	0.59, 1.39	0.66
Job Status			
01_ <i>unemployed</i>	—	—	
02_ <i>self_employed</i>	1.14	0.63, 2.05	0.67
03_ <i>regularly_employed</i>	1.18	0.70, 2.01	0.53
wscore	1.02	0.88, 1.19	0.77

¹OR = Odds Ratio, CI = Confidence Interval