

Additional file 5

Descriptive presentation of preferred model solutions for the summary-score and single-item strategies with description of the identified subgroups for each health domain and subgroup by subgroup matrix (count of crossing subgroups)

Explanatory legend

We described each variable by using:

- standardised descriptive labels for quintiles (see Table 1)
- proportions (%) for nominal or ordinal variables with less than four categories
- interquartile ranges (IQR) for the remaining ordinal items and continuous items

Subgroup size and description of variables are based on the patients assigned to the subgroup for which their posterior probability was the largest

Table 1. Standardised wording used to report the quintiles within the estimates and subgroup profile plots

Range, %	0-19	20-39	40-59	60-79	80-100
‘Very few to most’	Very few	Few	Half	Many	Most
‘Low – high’	Very low	Low	Moderate	High	Very high
‘All or none’	0=none				100=only, all

Table 2A: Descriptive presentation of the six subgroups identified in the psychology domain when using the summary-score strategy

Subgroup name / Variable	Psych_sum 1	Psych_sum 2	Psych_sum 3	Psych_sum 4	Psych_sum 5	Psych_sum 6	Scale
High-risk group (SBT)	Very few in SBT high-risk group (7%)	Very few in SBT high-risk group (3%)	Very few in SBT high-risk group (2%)	Very few in SBT high-risk group (3%)	Few in SBT high-risk group (26%)	Many in SBT high-risk group (73%)	Dichotomous 0=Low and medium risk 1=high risk
Able to decrease pain*	Moderately able to decrease pain (IQR=2-6)	Moderately able to decrease pain (IQR=3-6)	Highly able to decrease pain (IQR=1-4)	Moderately able to decrease pain (IQR=3-5)	Moderately able to decrease pain (IQR=3-5)	Little ability to decrease pain (IQR=5-8)	Continuous 0=Completely 10=not at all
FABQ - physical activity subscale *	Moderate degree of fear avoidance beliefs (IQR=10-18)	Moderate degree of fear avoidance beliefs (IQR=9.5-16.5)	Low degree of fear avoidance beliefs (IQR=6-14)	Moderate degree of fear avoidance beliefs (IQR=10-16)	Moderate degree of fear avoidance beliefs (IQR=10-15)	Very high degree of fear avoidance beliefs (IQR=18-21)	Continuous 0=no fear avoidance beliefs 24=high fear avoidance beliefs
Cannot work till pain is treated (FABQ-14)*	Few cannot work Disagree=59% Unsure=8% Agree=32%	Few cannot work Disagree=59% Unsure=12% Agree=28%	Very few cannot work Disagree=100% Unsure=0% Agree=0%	Few cannot work Disagree=60% Unsure=14% Agree=26%	Few cannot work Disagree=49% Unsure=14% Agree=38%	Many cannot work Disagree=14% Unsure=7% Agree=79%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Feel socially isolated	Very few feel socially isolated (15%)	Few feel socially isolated (37%)	Very few feel socially isolated (8%)	Few feel socially isolated (34%)	Most feel socially isolated (94%)	Many feel socially isolated (55%)	Dichotomous 0=Not at all isolated 1=little to quite isolated
Negative recovery belief**	Few with negative recovery belief (23%)	Few with negative recovery belief (33%)	Very few with negative recovery belief (17%)	Few with negative recovery belief (34%)	Half with negative recovery belief (51%)	Half with negative recovery belief (49%)	Dichotomous 0=Likely to recover 1=Unsure-Not at all likely
Degree of depression**	Low degree of depression (IQR=3-12)	Very low degree of depression (IQR=5-10)	Very low degree of depression (IQR=1-4)	Low degree of depression (IQR=5-11)	Moderate degree of depression (IQR=19-28)	Moderate degree of depression (IQR=11.5-27.5)	Continuous 0=not depressed 37=depressed
Treatment	Very few believe treatment	Many believe treatment is	Half believe treatment is not	Very few believe treatment	Half believe treatment is not	Few believe treatment is not	Continuous

not essential	is not essential to reduce pain (IQR=0-0)	not essential to reduce pain (IQR=5-9)	essential to reduce pain (IQR=3-7)	is not essential to reduce pain (IQR=1-2)	essential to reduce pain (IQR=2-7)	essential to reduce pain (IQR=1-5)	0=completely disagree 10=completely agree
Subgroup description	Moderate pain-related concern, not socially isolated, treatment believers Less • Feel socially isolated • Thinks that treatment is not essential to reduce pain	Moderate pain-related concern, non-treatment believers More • Thinks that treatment is not essential to reduce pain • With a very low degree of depression	Uncomplicated psychological profile Less • with no ability to decrease pain • with negative recovery belief • feel socially isolated • fear-avoidance beliefs (physical activity) • cannot work	Moderate pain-related concern, treatment believers Less • Thinks that treatment is not essential to reduce pain	Socially isolated and depressed patients More • feel socially isolated • with negative recovery belief • with a higher degree of depression	Complicated psychological profile More • in SBT high-risk group • with no ability to decrease pain • with fear-avoidance beliefs (phy.act) • cannot work • feel socially isolated • with negative recovery belief • with a higher degree of depression • thinks that treatment is not essential to reduce pain	
Subgroup size, N	336 (36%)	197 (21%)	179 (19%)	133 (14%)	50 (5%)	33 (4%)	
Posterior probability, median	1.00 (IQR=98-100)	0.93 (IQR=77-98)	0.83 (IQR=72-94)	0.88 (IQR=69-93)	0.96 (IQR=84-99)	0.83 (IQR=71-98)	
Posterior probability less than 0.70, N	14 (4%)	37 (19%)	43 (24%)	36 (27%)	6 (12%)	8 (24%)	

Bold text indicates characteristic features which mainly identify the respective subgroups

IQR = interquartile range; SBT = STarT Back Tool; FABQ = Fear-Avoidance Beliefs Questionnaire

† Trichotomised for the descriptive analysis: 0=disagree (0-2), 1=unsure (3), 2=agree (4-6)

Symbols and light lines: Variables which have similar scoring pattern across subgroups representing an overall feature:

* pain-related concerns

** depressive mood

Table 2B. Subgroup by subgroup matrix to count crossing subgroups, psychology domain, summary-score strategy

<: row subgroup is always below column subgroup					
>: row subgroup is always above column subgroup					
X: the subgroups are crossing					
Profile	Psych_sum 1	Psych_sum 2	Psych_sum 3	Psych_sum 4	Psych_sum 5
Psych_sum 2	X				
Psych_sum 3	X	>			
Psych_sum 4	X	X	X		
Psych_sum 5	X	X	X	X	
Psych_sum 6	>	X	X	>	X

Table 3A: Descriptive presentation of the eight subgroups identified in the psychology domain when using the single-item strategy

Subgroup name Variable	Psych_single 1	Psych_single 2	Psych_single 3	Psych_single 4	Psych_single 5	Psych_single 6	Psych_single 7	Psych_single 8	Scale
Treatment not essential	Very few believe treatment is not essential to reduce pain (IQR=0-0)	Half believe treatment is not essential to reduce pain (IQR=2-8)	Half believe treatment is not essential to reduce pain (IQR=2-5)	Half believe treatment is not essential to reduce pain (IQR=2-8)	Very few believe treatment is not essential to reduce pain (IQR=0-0)	Half believe treatment is not essential to reduce pain (IQR=2-7)	Few believe treatment is not essential to reduce pain (IQR=1-6)	Many believe treatment is not essential to reduce pain (IQR=3-10)	Continuous 0=completely disagree 10=completely agree
Sleep less well (RMDQ-15)*	Many sleep less well (61%)	Many sleep less well (72%)	Few sleep less well (28%)	None sleep less well (0%)	Many sleep less well (78%)	All sleep less well (100%)	Many sleep less well (69%)	Many sleep less well (74%)	Dichotomous 0=no 1=yes
Had trouble sleeping at night (MDI-9)*	Very few had trouble sleeping (IQR=0-1)	Few had trouble sleeping (IQR=1-3)	Very few had trouble sleeping (IQR=0-1)	Very few had trouble sleeping (IQR=0-0)	Half had trouble sleeping (IQR=1-4)	Half had trouble sleeping (IQR=1-3)	Many had trouble sleeping (IQR=2-4)	Few had trouble sleeping (IQR=0-2)	Ordinal 0=at no time 5=all the time
Able to decrease pain**	Moderately able to decrease pain (IQR=2-7)	Moderately able to decrease pain (IQR=3-6)	Highly able to decrease pain (IQR=1-4)	Highly able to decrease pain (IQR=2-5)	Moderately able to decrease pain (IQR=2-7)	Highly able to decrease pain (IQR=2-5)	Moderately able to decrease pain (IQR=3-6)	Moderately able to decrease pain (IQR=3.5-7)	Continuous 0=Completely 10=Not at all
Work might harm back (FABQ-11)**	Few believe work will harm Disagree=56% Unsure=17% Agree=28%	Half believe work will harm Disagree=24% Unsure=21% Agree=55%	Very few believe work will harm Disagree=87% Unsure=8% Agree=5%	Few believe work will harm Disagree=54% Unsure=19% Agree=27%	Few believe work will harm Disagree=35% Unsure=28% Agree=37%	Very few believe work will harm Disagree=72% Unsure=9% Agree=18%	Half believe work will harm Disagree=24% Unsure=28% Agree=48%	Few believe work will harm Disagree=34% Unsure=30% Agree=36%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Should not do normal work with present pain (FABQ-12)**	Few believe they should not do normal work Disagree=52% Unsure=21% Agree=27%	Half believe they should not do normal work Disagree=29% Unsure=18% Agree=53%	Very few believe they should not do normal work Disagree=99% Unsure=1% Agree=0%	Very few believe they should not do normal work Disagree=73% Unsure=17% Agree=11%	Few believe they should not do normal work Disagree=43% Unsure=22% Agree=35%	Very few believe they should not do normal work Disagree=90% Unsure=7% Agree=3%	Few believe they should not do normal work Disagree=37% Unsure=24% Agree=39%	Half believe they should not do normal work Disagree=23% Unsure=23% Agree=55%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Cannot work till pain is treated (FABQ-14)**	Few cannot work Disagree=56% Unsure=10% Agree=34%	Half cannot work Disagree=36% Unsure=20% Agree=44%	None cannot work Disagree=100% Unsure=0% Agree=0%	Very few cannot work Disagree=83% Unsure=8% Agree=9%	Few cannot work Disagree=60% Unsure=8% Agree=33%	Very few cannot work Disagree=92% Unsure=3% Agree=5%	Half cannot work Disagree=43% Unsure=9% Agree=48%	Half cannot work Disagree=36% Unsure=7% Agree=57%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Feel socially isolated	Very few feel socially isolated (7%)	Half feel socially isolated (53%)	Very few feel socially isolated (6%)	Few feel socially isolated (37%)	Few feel socially isolated (30%)	Few feel socially isolated (21%)	Many feel socially isolated (76%)	Very few feel socially isolated (2%)	Dichotomous 0=Not at all isolated 1=little to quite isolated
Not enjoyed things used to enjoy (SBT-8)[‡]	Few have not enjoyed usual things (29%)	Many have not enjoyed usual things (61%)	Very few have not enjoyed usual things (6%)	Few have not enjoyed usual things (24%)	Many have not enjoyed usual things (62%)	Half have not enjoyed usual things (41%)	Most have not enjoyed usual things (83%)	Half have not enjoyed usual things (44%)	Dichotomous 0=disagree 1=agree
Negative recovery belief[‡]	Very few with negative recovery belief (18%)	Few with negative recovery belief (38%)	Very few with negative recovery belief (15%)	Few with negative recovery belief (33%)	Few with negative recovery belief (33%)	Few with negative recovery belief (28%)	Half with negative recovery belief (53%)	Very few with negative recovery belief (15%)	Dichotomous 0=Likely to recover 1=Unsure-Not at all likely
Worrying thoughts a lot of the time (SBT-6)[‡]	Very few worried (9%)	Half worried (42%)	Very few worried (2%)	Very few worried (8%)	Half worried (47%)	Few worried (24%)	Most worried (85%)	Very few worried (4%)	Dichotomous 0=disagree 1=agree
Lost interest in daily activities (MDI-2)[‡]	Very few have lost interest all the time, half some of the time	Few have lost interest all the time, half some of the time	None have lost interest all the time, very few some of the time	Very few have lost interest all the time, half some of the time	Half have lost interest all the time, half some of the time	Very few have lost interest all the time, half some of the time	Most have lost interest all the time, very few some of the time	None have lost interest all the time, very few some of the time	Ordinal 0=at no time 1=some of the time 2=slightly-all the time

	At no time=65% Some of the time=31% Slightly-all the time=4%	At no time=17% Some of the time=55% Slightly-all the time=28%	At no time=92% Some of the time=8% Slightly-all the time=0%	At no time=35% Some of the time=54% Slightly-all the time=11%	At no time=9% Some of the time=44% Slightly-all the time=47%	At no time=50% Some of the time=47% Slightly-all the time=4%	At no time=2% Some of the time=9% Slightly-all the time=89%	At no time=92% Some of the time=8% Slightly-all the time=0%	
Felt very restless/subdued/slowed down (MDI-8) [†]	Very few have felt restless all the time, half some of the time At no time=47% Some of the time=46% Slightly-all the time=7%	Half have felt restless all the time, half some of the time At no time=4% Some of the time=50% Slightly-all the time=46%	Very few have felt restless all the time, few some of the time At no time=71% Some of the time=28% Slightly-all the time=1%	Very few have felt restless all the time, many some of the time At no time=25% Some of the time=66% Slightly-all the time=8%	Half have felt restless all the time, few some of the time At no time=2% Some of the time=39% Slightly-all the time=58%	Very few have felt restless all the time, many some of the time At no time=21% Some of the time=62% Slightly-all the time=17%	Most have felt restless all the time, very few some of the time At no time=0% Some of the time=5% Slightly-all the time=95%	Very few have felt restless all the time, few some of the time At no time=65% Some of the time=33% Slightly-all the time=2%	Ordinal 0=at no time 1=some of the time 2=slightly-all the time
Had a bad conscience (MDI-5) [†]	Very few had bad conscience all the time or some of the time At no time=77% Some of the time=19% Slightly-all the time=4%	Few had bad conscience all the time or some of the time At no time=35% Some of the time=37% Slightly-all the time=28%	None had bad conscience all the time and very few some of the time At no time=92% Some of the time=8% Slightly-all the time=0%	Very few had bad conscience all the time and few some of the time At no time=60% Some of the time=37% Slightly-all the time=3%	Half had bad conscience all the time and few some of the time At no time=25% Some of the time=32% Slightly-all the time=43%	Very few had bad conscience all the time and half some of the time At no time=57% Some of the time=40% Slightly-all the time=3%	Many had bad conscience all the time and very few some of the time At no time=11% Some of the time=16% Slightly-all the time=73%	None had bad conscience all the time and very few some of the time At no time=98% Some of the time=2% Slightly-all the time=0%	Ordinal 0=at no time 1=some of the time 2=slightly-all the time
Felt low in spirits/sad (MDI-1) [†]	Very few had felt sad all the time and few some of the time At no time=76% Some of the time=24% Slightly-all the time=1%	Very few had felt sad all the time, many some of the time At no time=18% Some of the time=73% Slightly-all the time=9%	None had felt sad all the time and very few some of the time At no time=90% Some of the time=10% Slightly-all the time=0%	Very few had felt sad all the time and half some of the time At no time=40% Some of the time=60% Slightly-all the time=1%	Few had felt sad all the time and many some of the time At no time=11% Some of the time=61% Slightly-all the time=27%	Very few had felt sad all the time and half some of the time At no time=49% Some of the time=47% Slightly-all the time=3%	Most had felt sad all the time and few some of the time At no time=0% Some of the time=16% Slightly-all the time=84%	None had felt sad all the time and very few some of the time At no time=98% Some of the time=2% Slightly-all the time=0%	Ordinal 0=at no time 1=some of the time 2=slightly-all the time
Felt lacking in energy and strength (MDI-3) [†]	Very few felt lacking in energy some of or all the time (IQR=0-1)	Half felt lacking in energy some of or all the time (IQR=1-3)	Very few felt lacking in energy some of or all the time (IQR=0-1)	Few felt lacking in energy some of or all the time (IQR=1-1)	Half felt lacking in energy some of or all the time (IQR=2-4)	Few felt lacking in energy some of or all the time (IQR=1-1)	Many felt lacking in energy some of or all the time (IQR=3-4)	Very few felt lacking in energy some of or all the time (IQR=0-1)	Ordinal 0=at no time 5=all the time
Felt less self-confident (MDI-4) [†]	None had felt less self-confident all the time and very few some of the time At no time=88% Some of the time=12% Slightly-all the time=0%	Very few had felt less self-confident all the time and half some of the time At no time=36% Some of the time=49% Slightly-all the time=15%	None had felt less self-confident all the time or some of the time At no time=100% Some of the time=0% Slightly-all the time=0%	Very few had felt less self-confident all the time and few some of the time At no time=73% Some of the time=23% Slightly-all the time=4%	Few had felt less self-confident all the time or some of the time At no time=43% Some of the time=33% Slightly-all the time=24%	Very few had felt less self-confident all the time and few some of the time At no time=76% Some of the time=23% Slightly-all the time=1%	Many had felt less self-confident all the time and few some of the time At no time=5% Some of the time=24% Slightly-all the time=71%	None had felt less self-confident all the time or some of the time At no time=100% Some of the time=0% Slightly-all the time=0%	Ordinal 0=at no time 1=some of the time 2=slightly-all the time
Had difficulty in concentrating (MDI-7) [†]	Very few had difficulty in concentrating all the time or some of the time At no time=81% Some of the	Very few had difficulty in concentrating all the time and few some of the time At no time=47% Some of the	None had difficulty in concentrating all the time and few some of the time At no time=95% Some of the time=5%	Very few had difficulty in concentrating all the time or some of the time At no time=77% Some of the	Very few had difficulty in concentrating all the time and half some of the time At no time=39% Some of the	Very few had difficulty in concentrating all the time and few some of the time At no time=74% Some of the	Half had difficulty in concentrating all the time and few some of the time At no time=4% Some of the	None had difficulty in concentrating all the time and very few some of the time At no time=94% Some of the time=6%	Ordinal 0=at no time 1=some of the time 2=slightly-all the time

	time=17% Slightly-all the time=2%	time=38% Slightly-all the time=15%	Slightly-all the time=0%	time=19% Slightly-all the time=3%	time=42% Slightly-all the time=20%	time=23% Slightly-all the time=3%	time=38% Slightly-all the time=58%	Slightly-all the time=0%	
Have suffered from reduced/increased appetite (MDI-10) ^{HH}	Very few had reduced/increased appetite all the time or some of the time At no time=78% Some of the time=16% Slightly-all the time=5%	Very few had reduced/increased appetite all the time and few some of the time At no time=48% Some of the time=34% Slightly-all the time=18%	None had reduced/increased appetite all the time and few some of the time At no time=98% Some of the time=2% Slightly-all the time=0%	Very few had reduced/increased appetite all the time or some of the time At no time=82% Some of the time=13% Slightly-all the time=6%	Few had reduced/increased appetite all the time or some of the time At no time=44% Some of the time=31% Slightly-all the time=25%	Very few had reduced/increased appetite all the time or some of the time At no time=80% Some of the time=15% Slightly-all the time=5%	Half had reduced/increased appetite all the time and few some of the time At no time=18% Some of the time=27% Slightly-all the time=55%	Very few had reduced/increased appetite all the time or some of the time At no time=85% Some of the time=13% Slightly-all the time=2%	Ordinal 0=at no time 1=some of the time 2=slightly-all the time
More irritable with people than usual (RMDQ-17) ^{HH}	Few more irritable (23%)	Half more irritable (54%)	Very few more irritable (7%)	Few more irritable (21%)	Half more irritable (59%)	Few more irritable (37%)	Most more irritable (91%)	Few more irritable (25%)	Dichotomous 0=no 1=yes
Rubbing or holding areas that hurt/are uncomfortable (RMDQ-21) ^{HH}	Few rub/hold areas that hurt (35%)	Half rub/hold areas that hurt (54%)	Few rub/hold areas that hurt (22%)	Half rub/hold areas that hurt (50%)	Half rub/hold areas that hurt (59%)	Half rub/hold areas that hurt (43%)	Many rub/hold areas that hurt (75%)	Few rub/hold areas that hurt (33%)	Dichotomous 0=no 1=yes
Not safe to be physically active (SBT-5) ^{HH}	Very few believe it is not safe to be physically active (14%)	Few believe it is not safe to be physically active (28%)	Very few believe it is not safe to be physically active (5%)	Very few believe it is not safe to be physically active (7%)	Few believe it is not safe to be physically active (24%)	Very few believe it is not safe to be physically active (18%)	Few believe it is not safe to be physically active (33%)	Very few believe it is not safe to be physically active (17%)	Dichotomous 0=disagree 1=agree
Terrible back pain, will never get better (SBT-7) ^{HH}	Very few with terrible back pain (1%)	Very few with terrible back pain (11%)	Very few with terrible back pain (1%)	Very few with terrible back pain (5%)	Very few with terrible back pain (15%)	Very few with terrible back pain (1%)	Few with terrible back pain (26%)	Very few with terrible back pain (4%)	Dichotomous 0=disagree 1=agree
Often express concern (RMDQ-23) ^{HH}	Very few express concern (7%)	Few express concern (26%)	Very few express concern (2%)	Very few express concern (7%)	Few express concern (26%)	Very few express concern (9%)	Half express concern (42%)	Very few express concern (10%)	Dichotomous 0=no 1=yes
Physical activity might harm back (FABQ-3) ^{HHH}	Few believe phys.act. might harm back Disagree=38% Unsure=39% Agree=22%	Few believe phys.act. might harm back Disagree=31% Unsure=39% Agree=30%	Very few believe phys.act. might harm back Disagree=59% Unsure=25% Agree=15%	Few believe phys.act. might harm back Disagree=50% Unsure=28% Agree=21%	Few believe phys.act. might harm back Disagree=40% Unsure=31% Agree=29%	Very few believe phys.act. might harm back Disagree=56% Unsure=30% Agree=14%	Very few believe phys.act. might harm back Disagree=38% Unsure=43% Agree=19%	Few believe phys.act. might harm back Disagree=48% Unsure=30% Agree=22%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Should not do physical activity which (might) make worse (FABQ-4) ^{HHH}	Half believe avoiding phys.act. is better Disagree=20% Unsure=25% Agree=55%	Many believe avoiding phys.act. is better Disagree=14% Unsure=25% Agree=61%	Few believe avoiding phys.act. is better Disagree=37% Unsure=24% Agree=39%	Many believe avoiding phys.act. is better Disagree=21% Unsure=15% Agree=65%	Many believe avoiding phys.act. is better Disagree=19% Unsure=18% Agree=63%	Half believe avoiding phys.act. is better Disagree=22% Unsure=25% Agree=53%	Half believe avoiding phys.act. is better Disagree=18% Unsure=29% Agree=53%	Half believe avoiding phys.act. is better Disagree=18% Unsure=29% Agree=53%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Subgroup description	Treatment believers with low degree of depressive mood Less • believe that treatment is not essential • with negative recovery belief	Pain related concerns, moderate degree of depressive mood More • have work concerns (more believe work will harm, they should not do	The uncomplicated psychological profile Less • sleep less well • have work concerns (less believe work will harm or they should not do normal work or	Sleep well, low degree of depressive mood Less • (None) sleep less well • believe they cannot work till pain treated or should	Treatment believers with sleep issues and moderate degree of depressive mood Less • believe that treatment is not essential	Sleep issues, low degree of pain-related concern More • (All) sleep less well • had trouble sleeping Less	The complicated psychological profile More • have work concerns (more believe work will harm and that they cannot work till pain treated) • with negative recovery belief	Pain-related concerns, low degree of depression More • believe that treatment is not essential • are not able to decrease pain	

	<ul style="list-style-type: none"> • feel socially isolated • feel worried 	<p>normal work and cannot work till pain treated)</p> <ul style="list-style-type: none"> • have felt sad some of the time • felt lacking in energy some of the time 	<p>cannot work till pain treated)</p> <ul style="list-style-type: none"> • with negative recovery belief • feel socially isolated • feel worried • have not enjoyed usual things • more irritable • depressive mood: • <i>have lost interest in daily activities</i> • <i>have felt restless</i> • <i>had bad conscience some or all the time</i> • <i>have felt sad some or all the time</i> • <i>(none) had felt less self-confident all the time or some of the time</i> • <i>(none) had difficulty in concentrating all the time and few some of the time</i> • <i>(none) had suffered from reduced/increased appetite</i> 	<p>not do normal work with present pain</p> <ul style="list-style-type: none"> • feel worried 	<p>More</p> <ul style="list-style-type: none"> • felt lacking in energy some of the time • had suffered from reduced/increased appetite • had trouble sleeping 	<ul style="list-style-type: none"> • have work concerns (less believe work will harm or they should not do normal work or cannot work till pain treated) • feel socially isolated • feel worried • rub/holds areas that hurt • have not enjoyed usual things • more irritable • depressive mood: • <i>have lost interest in daily activities</i> • <i>have felt restless</i> • <i>had bad conscience some or all the time</i> • <i>have felt sad some or all the time</i> • <i>felt lacking in energy most of the time</i> • <i>had felt less self-confident all the time or some of the time</i> • <i>had difficulty in concentrating all the time and few some of the time</i> • <i>had trouble sleeping</i> • <i>had suffered from reduced/increased appetite</i> • <i>had trouble sleeping</i> 	<ul style="list-style-type: none"> • have work concerns (more believe they should not do normal work and cannot work till pain treated) <p>Less</p> <ul style="list-style-type: none"> • with negative recovery belief • feel socially isolated • feel worried • depressive mood: • <i>have lost interest in daily activities</i> • <i>have felt restless</i> • <i>had bad conscience some or all the time</i> • <i>have felt sad some or all the time</i> • <i>had felt less self-confident all the time or some of the time</i> • <i>(none) had difficulty in concentrating all the time and few some of the time</i> 	
Subgroup size, N	199 (21%)	154 (17%)	132 (14%)	119 (13%)	122 (13%)	99 (11%)	55 (6%)	48 (5%)
Posterior probability, median	0.98 (IQR=0.88-1.00)	0.98 (IQR=0.90-1.00)	0.96 (IQR=0.87-1.00)	0.97 (IQR=0.89-0.99)	0.98 (IQR=0.90-0.99)	0.95 (IQR=0.86-0.99)	0.99 (IQR=0.96-1.00)	0.96 (IQR=0.75-1.00)
Posterior probability less than 0.70, N	20 (10%)	13 (8%)	17 (13%)	10 (8%)	10 (8%)	11 (11%)	4 (7%)	9 (19%)

Bold text indicates characteristic features which mainly identify the respective subgroups

IQR = interquartile range; phys. act = physical activity; RMDQ = Roland-Morris Disability Questionnaire; FABQ, Fear-Avoidance Beliefs Questionnaire; SBT = STarT Back Tool; MDI = Major Depression Inventory

† Trichotomised for the descriptive analysis: 0=disagree (0-2), 1=unsure (3), 2=agree (4-6)

Symbols and light lines: Variables which have similar scoring pattern across subgroups representing an overall feature:

*sleep issues

** pain-related concerns

‡ depressive mood

‡‡ catastrophising

‡‡‡ fear avoidance of physical activity

Table 3B. Subgroup by subgroup matrix to count crossing subgroups, psychology domain, single-item strategy

<: row subgroup is always below column subgroup >: row subgroup is always above column subgroup X: the subgroups are crossing							
Profile	Psych_single 1	Psych_single 2	Psych_single 3	Psych_single 4	Psych_single 5	Psych_single 6	Psych_single 7
Psych_single 2	>						
Psych_single 3	X	<					
Psych_single 4	X	X	X				
Psych_single 5	X	X	X	X			
Psych_single 6	X	X	>	X	X		
Psych_single 7	>	X	X	X	X	X	
Psych_single 8	X	X	X	X	X	X	X

Table 4A. Descriptive presentation of the six subgroups identified in the pain domain when using the summary-score strategy

Subgroup name Variable	Pain_sum 1	Pain_sum 2	Pain_sum 3	Pain_sum 4	Pain_sum 5	Pain_sum 6	Scale
Duration of LBP*	0-2 weeks duration of LBP 0-2 weeks=86% 2-4 weeks=10% 1-3 months=3% >3 months=1%	0-2 weeks duration of LBP 0-2 weeks=81% 2-4 weeks=15% 1-3 months=3% >3 months=1%	0-4 weeks duration of LBP 0-2 weeks=53% 2-4 weeks=29% 1-3 months=11% >3 months=7%	More than 3 months duration of LBP 0-2 weeks=4% 2-4 weeks=7% 1-3 months=31% >3 months=58%	More than one month duration of LBP 0-2 weeks=13% 2-4 weeks=6% 1-3 months=32% >3 months=49%	0-4 weeks duration of LBP 0-2 weeks=69% 2-4 weeks=16% 1-3 months=9% >3 months=7%	Ordinal 1=0-2 weeks 2=2-4 weeks 3=1-3 months 4=>3 months
More than 30 days of LBP last year*	Very few with more than 30 days of back pain last year (7%)	Very few with more than 30 days of back pain last year (6%)	Very few with more than 30 days of back pain last year (0%)	All with more than 30 days of back pain last year (100%)	Most with more than 30 days of back pain last year (95%)	Very few with more than 30 days of back pain last year (9%)	Dichotomous 0= \leq 30 days 1=>30 days
LBP intensity	High intensity LBP (IQR=6-8)	High intensity LBP (IQR=7-8)	Low intensity LBP (IQR=3-4)	Moderate intensity LBP (IQR=4-7)	High intensity LBP (IQR=6-8)	Moderate intensity LBP (IQR=3-8)	Continuous 0=no pain 10=worst imaginable pain
Leg pain intensity	Most with no leg pain (97%) Very few with low intensity leg pain (3%) None with moderate-high intensity leg pain (0%)	Very few with no leg pain (1%) Many with low intensity leg pain (62%) Few with moderate-high intensity leg pain (37%)	Many with no leg pain (66%) Few with low intensity leg pain (32%) Very few with moderate-high intensity leg pain (2%)	Half with no leg pain (49%) Half with low intensity leg pain (51%) None with moderate-high intensity leg pain (0%)	None with no leg pain (0%) Very few with low intensity leg pain (17%) Most with moderate-high intensity leg pain (83%)	None with no leg pain (0%) Few with low intensity leg pain (25%) Many with moderate-high intensity leg pain (75%)	Ordinal 0=no pain 1=mild pain 2=moderate-worst imaginable pain
Pain distribution	All with LBP only Only LBP (100%) LBP and pain in one leg (0%) LBP and pain in both legs (0%) Only leg pain (0%)	Many with LBP only or LBP and pain in one leg Only LBP (56%) LBP and pain in one leg (36%) LBP and pain in both legs (8%) Only leg pain (0%)	Most with LBP only Only LBP (88%) LBP and pain in one leg (11%) LBP and pain in both legs (2%) Only leg pain (0%)	Most with LBP only Only LBP (85%) LBP and pain in one leg (15%) LBP and pain in both legs (0%) Only leg pain (0%)	Very few with LBP only, most with leg pain in one leg Only LBP (15%) LBP and pain in one leg (67%) LBP and pain in both legs (15%) Only leg pain (3%)	None with LBP only, most with LBP and pain in one leg or only leg pain Only LBP (0%) LBP and pain in one leg (69%) LBP and pain in both legs (0%) Only leg pain (31%)	Multistate nominal 0=low back pain only 1=low back pain and pain in one leg 2=low back pain and pain in both legs 3=only leg pain
LBP not dominating	No one LBP not dominating (0%)	Very few LBP not dominating (2%)	No one LBP not dominating (0%)	No one LBP not dominating (0%)	Few LBP not dominating (23%)	Most LBP not dominating (98%)	Dichotomous 0=no 1=yes
No paraspinal pain onset	Few with no paraspinal onset (31%)	Few with no paraspinal onset (35%)	Half with no paraspinal onset (41%)	Few with no paraspinal onset (36%)	Half with no paraspinal onset (59%)	Half with no paraspinal onset (55%)	Dichotomous 0=no 1=yes

Previous LBP episodes	Half have had more than three episodes None=16% 1-3=39% >3=45%	Half have had more than three episodes None=19% 1-3=37% >3=44%	Half have had more than three episodes None=19% 1-3=37% >3=43%	Half have had more than three episodes None=24% 1-3=24% >3=52%	Many have had more than three episodes None=3% 1-3=19% >3=78%	Half have had more than three episodes None=7% 1-3=48% >3=45%	Ordinal 0=no previous episodes 1=1-3 previous episodes 2=more than 3 previous episodes
Subgroup description	Recent LBP with high degree of back pain severity More • with short duration of LBP • with high intensity LBP • with only LBP	Recent LBP with high degree of back pain severity and Moderate degree of leg pain severity More • with short duration of LBP • with high intensity LBP • with low intensity leg pain	Recent LBP with low degree of back pain severity More • with short duration of LBP • low intensity LBP • with only LBP	Persistent LBP, moderate degree of back pain severity and low degree of leg pain severity More • with long duration of LBP • with moderate intensity LBP • with low intensity leg pain • LBP dominating	Persistent LBP, high degree of back pain severity and moderate-high degree of leg pain severity More • with long duration of LBP • with high intensity LBP • with moderate-high intensity leg pain • with LBP and pain in one leg	Recent LBP, moderate degree of back pain severity, moderate-high degree of leg pain severity, non-dominating LBP More • with short duration of LBP • with moderate-high intensity leg pain • with LBP and pain in one leg OR only leg pain • with LBP <i>not</i> dominating	
Subgroup size, N	281 (30%)	287 (31%)	116 (13%)	99 (11%)	97 (10%)	48 (5%)	
Posterior probability, median	0.97 (IQR=84-98)	0.90 (IQR=62-99)	0.91 (IQR=78-98)	0.97 (IQR=88-99)	0.95 (IQR=78-99)	0.94 (IQR=87-100)	
Posterior probability less than 0.70, N	45 (16%)	119 (41%)	19 (16%)	10 (10%)	15 (15%)	3 (6%)	

Bold text indicates characteristic features which mainly identify the respective subgroups

LBP = low back pain; IQR = interquartile range

Symbols and light lines: Variables which have similar scoring pattern across subgroups representing an overall feature:

*Duration of LBP

Table 4B. Subgroup by subgroup matrix to count crossing subgroups, pain domain, summary-score strategy

<: row subgroup is always below column subgroup					
>: row subgroup is always above column subgroup					
X: the subgroups are crossing					
Profile	Pain_sum 1	Pain_sum 2	Pain_sum 3	Pain_sum 4	Pain_sum 5
Pain_sum 2	X				
Pain_sum 3	X	X			
Pain_sum 4	X	X	X		
Pain_sum 5	X	X	>	X	
Pain_sum 6	X	X	X	X	X

Table 5A. Descriptive presentation of the seven subgroups identified in the pain domain when using the single-item strategy

Subgroup name Variable	Pain_single 1	Pain_single 2	Pain_single 3	Pain_single 4	Pain_single 5	Pain_single 6	Pain_single 7	Scale
Previous LBP episodes	Half have had more than three episodes None=15% 1-3=38% >3=47%	Half have had more than three episodes None=19% 1-3=37% >3=44%	Half have had more than three episodes None=22% 1-3=35% >3=42%	Many have had more than three episodes None=3% 1-3=21% >3=76%	Half have had more than three episodes None=14% 1-3=40% >3=46%	Half have had more than three episodes None=25% 1-3=23% >3=52%	Half have had more than three episodes None=8% 1-3=49% >3=44%	Ordinal 0=no previous episodes 1=1-3 previous episodes 2=more than 3 previous episodes
Duration of LBP*	0-2 weeks duration of LBP 0-2 weeks=89% 2-4 weeks=8% 1-3 months=3% >3 months=<1%	0-2 weeks duration of LBP 0-2 weeks=79% 2-4 weeks=15% 1-3 months=4% >3 months=2%	0-4 weeks duration of LBP 0-2 weeks=65% 2-4 weeks=22% 1-3 months=9% >3 months=4%	More than 1 month duration of pain 0-2 weeks=13% 2-4 weeks=9% 1-3 months=31% >3 months=46%	0-4 weeks duration of LBP 0-2 weeks=59% 2-4 weeks=26% 1-3 months=6% >3 months=9%	More than 1 month duration of LBP 0-2 weeks=1% 2-4 weeks=1% 1-3 months=33% >3 months=65%	0-4 weeks duration of LBP 0-2 weeks=68% 2-4 weeks=15% 1-3 months=10% >3 months=8%	Ordinal 1=0-2 weeks 2=2-4 weeks 3=1-3 months 4=>3 months
More than 30 days of LBP last year*	Very few with more than 30 days of back pain last year (7%)	Very few with more than 30 days of back pain last year (6%)	Very few with more than 30 days of back pain last year (5%)	Most with more than 30 days of back pain last year (98%)	Very few with more than 30 days of back pain last year (15%)	All with more than 30 days of back pain last year (100%)	Very few with more than 30 days of back pain last year (5%)	Dichotomous 0= \leq 30 days 1=>30 days
LBP intensity**	High intensity LBP (IQR=7-9)	High intensity LBP (IQR=7-8)	Moderate intensity LBP (IQR=3-6)	High intensity LBP (IQR=6-8)	Moderate intensity LBP (IQR=4-6)	Moderate intensity LBP (IQR=4-7)	Moderate intensity LBP (IQR=3-7)	Continuous 0=no pain 10=worst imaginable pain
Back/leg painful almost all the time (RMDQ-11)**	Many with pain almost all the time (76%)	Many with pain almost all the time (77%)	Few with pain almost all the time (30%)	Most with pain almost all the time (84%)	Many with pain almost all the time (62%)	Many with pain almost all the time (61%)	Many with pain almost all the time (73%)	Dichotomous 0=no 1=yes
Very-extremely bothersome back pain last 2 weeks (SBT-9)**	Most with high degree of bothersome pain (96%)	Most with high degree of bothersome pain (98%)	Very few with high degree of bothersome pain (7%)	Most with high degree of bothersome pain (89%)	Few with high degree of bothersome pain (24%)	Half with high degree of bothersome pain (52%)	Many with high degree of bothersome pain (63%)	Dichotomous 0=no-moderately bothersome pain 1=very-extremely bothersome pain
LBP not dominating	No one LBP not dominating (0%)	Very few LBP not dominating (4%)	Very few LBP not dominating (1%)	Few LBP not dominating (25%)	No one LBP not dominating (0%)	No one LBP not dominating (0%)	All LBP not dominating (100%)	Dichotomous 0=no 1=yes
Leg pain intensity***	Most with no leg pain (81%) Very few with low intensity leg pain (19%) None with moderate-high intensity leg pain (0%)	Very few with no leg pain (1%) Half with low intensity leg pain (53%) Half with moderate-high intensity leg pain (46%)	Most with no leg pain (88%) Very few with low intensity leg pain (12%) None with moderate-high intensity leg pain (0%)	None with no leg pain (0%) Few with low intensity leg pain (22%) Many with moderate-high intensity leg pain (78%)	Very few with no leg pain (2%) Many with low intensity leg pain (71%) Few with moderate-high intensity leg pain (27%)	Half with no leg pain (55%) Half with low intensity leg pain (45%) None with moderate-high intensity leg pain (0%)	None with no leg pain (0%) Few with low intensity leg pain (25%) Many with moderate-high intensity leg pain (75%)	Ordinal 0=no pain 1=mild pain 2=moderate-worst imaginable pain
Pain has spread down leg(s) at some time last 2 weeks (SBT-1)***	Very few with spread of pain to leg(s) (3%)	Most with spread of pain to leg(s) (82%)	None with spread of pain to leg(s) (0%)	Most with spread of pain to leg(s) (92%)	Most with spread of pain to leg(s) (89%)	Very few with spread of pain to leg(s) (10%)	All with spread of pain to leg(s) (100%)	Dichotomous 0=no 1=yes
Pain distribution***	Most with LBP only Only LBP (99%) LBP and pain in one leg (<1%) LBP and pain in both legs (<1%)	Many with LBP only or LBP and pain in one leg Only LBP (51%) LBP and pain in one leg (37%) LBP and pain in both legs	Most with LBP only Only LBP (97%) LBP and pain in one leg (3%) LBP and pain in both legs (1%)	Very few with LBP only, most with leg pain in one leg Only LBP (18%) LBP and pain in one leg (64%)	Many with LBP only or LBP and pain in one leg Only LBP (44%) LBP and pain in one leg (53%) LBP and pain in both legs	Most with LBP only Only LBP (89%) LBP and pain in one leg (11%) LBP and pain in both legs (0%)	None with LBP only, most with LBP and pain in one leg or only leg pain Only LBP (0%) LBP and pain in one leg	Multistate nominal 0=only low back pain 1=low back pain and pain in one leg 2=low back pain and pain in both legs 3=only leg pain

	Only leg pain (0%)	(11%) Only leg pain (1%)	Only leg pain (0%)	LBP and pain in both legs (14%) Only leg pain (4%)	(1%) Only leg pain (1%)	Only leg pain (0%)	(69%) LBP and pain in both legs (0%) Only leg pain (31%)	
Pain in shoulder/neck last 2 weeks (SBT-2)	Half with shoulder/neck pain (42%)	Half with shoulder/neck pain (46%)	Half with shoulder/neck pain (42%)	Many with shoulder/neck pain (65%)	Many with shoulder/neck pain (62%)	Half with shoulder/neck pain (52%)	Few with shoulder/neck pain (33%)	Dichotomous 0=no 1=yes
No paraspinal pain onset	Few with no paraspinal onset (31%)	Few with no paraspinal onset (38%)	Half with no paraspinal onset (41%)	Half with no paraspinal onset (55%)	Few with no paraspinal onset (34%)	Few with no paraspinal onset (36%)	Half with no paraspinal onset (52%)	Dichotomous 0=no 1=yes
Pain caused by physical activity (FABQ-1) [†]	Half had pain caused by physical activity Disagree=27% Unsure=28% Agree=46%	Half had pain caused by physical activity Disagree=26% Unsure=27% Agree=47%	Half had pain caused by physical activity Disagree=32% Unsure=25% Agree=43%	Half had pain caused by physical activity Disagree=23% Unsure=33% Agree=44%	Half had pain caused by physical activity Disagree=31% Unsure=22% Agree=47%	Few had pain caused by physical activity Disagree=33% Unsure=31% Agree=36%	Few had pain caused by physical activity Disagree=32% Unsure=34% Agree=34%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Physical activity makes worse (FABQ-2) [†]	Half get worse by physical activity Disagree=24% Unsure=20% Agree=56%	Half get worse by physical activity Disagree=25% Unsure=21% Agree=54%	Few get worse by physical activity Disagree=47% Unsure=16% Agree=37%	Half get worse by physical activity Disagree=23% Unsure=18% Agree=59%	Half get worse by physical activity Disagree=43% Unsure=13% Agree=44%	Half get worse by physical activity Disagree=39% Unsure=13% Agree=48%	Half get worse by physical activity Disagree=37% Unsure=22% Agree=41%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Subgroup description	Recent LBP with high degree of back pain severity More • With high intensity LBP and high degree of bothersome pain Less • With long duration of LBP • With leg pain	Recent LBP with high degree of back pain severity and moderate degree of leg pain severity More • With high intensity LBP and high degree of bothersome pain • With leg pain, low-high intensity Less • With long duration of LBP	Recent LBP with low degree of back pain severity Less • With pain almost all the time • With leg pain • Get worse with physical activity	Persistent LBP, high degree of back and leg pain severity (and musculoskeletal comorbidity) More • Previous episodes • With long duration of LBP, >30 days last year • With high intensity LBP and high degree of bothersome pain • With pain almost all the time • Moderate-high intensity leg pain • With neck/shoulder pain	Recent LBP with moderate degree of back pain severity, moderate degree of leg pain severity (and often neck/shoulder pain) More • With low intensity leg pain • With neck/shoulder pain	Persistent LBP, moderate degree of back pain severity and low degree of leg pain severity More • With long duration of LBP, >30 days last year Less • With leg pain (if present, was low intensity)	Recent LBP, moderate-high degree of back pain severity, moderate-high degree of leg pain severity, non-dominating LBP More • With LBP not dominating • Moderate-high intensity leg pain • With only leg pain Less • With neck/shoulder pain	
Subgroup size, N	252 (27%)	203 (22%)	160 (17%)	98 (11%)	89 (10%)	84 (9%)	42 (5%)	
Posterior probability, median	0.97 (IQR=80-99)	0.96 (IQR=84-98)	0.97 (IQR=82-100)	0.98 (IQR=88-99)	0.93 (IQR=75-99)	0.96 (IQR=85-99)	0.99 (IQR=84-100)	
Posterior probability less than 0.70, N	38 (15%)	29 (14%)	20 (13%)	11 (11%)	18 (20%)	8 (10%)	5 (12%)	

Bold text indicates characteristic features which mainly identify the respective subgroups

LBP = low back pain; IQR=inter quartile range; RMDQ = Roland-Morris Disability Questionnaire; FABQ = Fear-Avoidance Beliefs Questionnaire; SBT = STarT Back Tool

[†] Trichotomised for the descriptive analysis: 0=disagree (0-2), 1=unsure (3), 2=agree (4-6)

Symbols and light lines: Variables which have similar scoring pattern across subgroups representing an overall feature:

*LBP duration

**Back pain severity

***Leg pain severity

[†]Pain due to physical activity (not a diverse scoring and therefore not fulfilling the criteria for being a feature)

Table 5B. Subgroup by subgroup matrix to count crossing subgroups, pain domain, single-item strategy

<: row subgroup is always below column subgroup						
>: row subgroup is always above column subgroup						
X: the subgroups are crossing						
Profile	Pain_single 1	Pain_single 2	Pain_single 3	Pain_single 4	Pain_single 5	Pain_single 6
Pain_single 2	X					
Pain_single 3	X	X				
Pain_single 4	X	X	>			
Pain_single 5	X	X	X	<		
Pain_single 6	X	X	X	X	X	
Pain_single 7	X	X	X	X	X	X

Table 6A. Descriptive presentation of the seven subgroups identified in the activity domain when using the summary-score strategy

Subgroup name Variable	Act_sum 1	Act_sum 2	Act_sum 3	Act_sum 4	Act_sum 5	Act_sum 6	Act_sum 7	Scale
Best posture to sit	Very few enjoy sitting (8%)	Very few enjoy sitting (2%)	Most enjoy sitting (84%)	None enjoy sitting (0%)	Few enjoy sitting (28%)	Very few enjoy sitting (3%)	Most enjoy sitting (86%)	Dichotomous 0=no 1=yes
Best activity is <i>not</i> to walk	Few do not enjoy walking (33%)	Few do not enjoy walking (21%)	Few do not enjoy walking (35%)	None do not enjoy walking (0%)	Very few do not enjoy walking (5%)	All do not enjoy walking (100%)	Most do not enjoy walking (93%)	Dichotomous 0=no 1=yes
Cannot work with present pain (FABQ-13)	Most cannot work with present pain Compl.disagree (1%) Unsure (12%) Compl. agree (88%)	None cannot work with present pain Compl.disagree (100%) Unsure (0%) Compl. agree (0%)	Few cannot work with present pain Compl.disagree (51%) Unsure (13%) Compl. agree (36%)	Very few cannot work with present pain Compl.disagree (82%) Unsure (11%) Compl. agree (8%)	None cannot work with present pain Compl.disagree (100%) Unsure (0%) Compl. agree (0%)	Very few cannot work with present pain Compl.disagree (95%) Unsure (3%) Compl. agree (1%)	Few cannot work with present pain Compl.disagree (54%) Unsure (15%) Compl. agree (31%)	Ordinal 0=disagree 1=unsure 2=agree
Roland-Morris summary score	High degree of disability (IQR=70-83)	High degree of disability (IQR=57-70)	Moderate degree of disability (IQR=39-52)	Low degree of disability (IQR=30-39)	Very low degree of disability (IQR=9-17)	Low degree of disability (IQR=17-43)	High degree of disability (IQR=74-83)	Continuous 0=no disability 100=severe disability
Subgroup description	High degree of disability, most cannot work	High degree of disability, but very few cannot work	Moderate degree of disability, few cannot work - more prefer both sitting and walking	Low degree of disability, very few cannot work	Very low degree of disability, none cannot work	Low degree of disability, walking (and sitting) limitations, very few cannot work	High degree of disability, walking limitations (prefer sitting), half cannot work	
Subgroup size, N	226 (24%)	191 (21%)	113 (12%)	136 (15%)	101 (11%)	101 (11%)	60 (6%)	
Posterior probability, median	0.76 (IQR=60-92)	0.63 (IQR=49-79)	0.66 (IQR=49-75)	0.67 (IQR=58-82)	0.87 (IQR=79-95)	0.69 (IQR=56-80)	0.68 (IQR=51-78)	
Posterior probability less than 0.70, N	75 (33%)	110 (58%)	71 (63%)	72 (53%)	21 (21%)	51 (50%)	31 (52%)	

Bold text indicates characteristic features which mainly identify the respective subgroups

IQR = interquartile range; Roland-Morris summary score: Roland-Morris Disability Questionnaire, summary score (proportional recalculation)

Table 6B. Subgroup by subgroup matrix to count crossing subgroups, activity domain, summary-score strategy

<: row subgroup is always below column subgroup						
>: row subgroup is always above column subgroup						
X: the subgroups are crossing						
Profile	Act_sum 1	Act_sum 2	Act_sum 3	Act_sum 4	Act_sum 5	Act_sum 6
Act_sum 2	<					
Act_sum 3	X	X				
Act_sum 4	<	X	<			
Act_sum 5	X	X	<	X		
Act_sum 6	X	X	X	X	X	
Act_sum 7	X	>	>	>	>	X

Table 7A. Descriptive presentation of the seven subgroups identified in the activity domain when using the single-item strategy

Subgroup name Variable	Act_single 1	Act_single 2	Act_single 3	Act_single 4	Act_single 5	Act_single 6	Act_single 7	Scale
Best activity is <i>not</i> to walk*	Half do not enjoy walking (47%)	Few do not enjoy walking (25%)	Few do not enjoy walking (29%)	Few do not enjoy walking (33%)	Few do not enjoy walking (27%)	Few do not enjoy walking (26%)	Most do not enjoy walking (83%)	Dichotomous 0=no 1=yes
Only stand for short periods of time (RMDQ-8)*	Half only stand for short periods (59%)	Very few only stand for short periods (18%)	Very few only stand for short periods (7%)	Very few only stand for short periods (3%)	Very few only stand for short periods (5%)	Very few only stand for short periods (16%)	Many only stand for short periods (61%)	Dichotomous 0=no 1=yes
Only walk short distances (RMDQ-14)*	Most only walk short distances (98%)	Few only walk short distances (21%)	Very few only walk short distances (1%)	Very few only walk short distances (1%)	Very few only walk short distances (1%)	Most only walk short distances (16%)	All only walk short distances (100%)	Dichotomous 0=no 1=yes
Only walked short distances (SBT-3)*	Many have only walked short distances (69%)	Few have only walked short distances (27%)	Very few have only walked short distances (2%)	Very few have only walked short distances (7%)	Very few have only walked short distances (3%)	Very few have only walked short distances (19%)	Most have only walked short distances (86%)	Dichotomous 0=disagree 1=agree
Use handrail to get upstairs (RMDQ-5)	Most use handrail to get upstairs (88%)	Half use handrail to get upstairs (51%)	Very few use handrail to get upstairs (8%)	Very few use handrail to get upstairs (11%)	Few use handrail to get upstairs (35%)	Few use handrail to get upstairs (33%)	Half use handrail to get upstairs (47%)	Dichotomous 0=no 1=yes
Hold on to something to get out of an easy chair (RMDQ-6)**	Most hold on to something to get out of an easy chair (94%)	Many hold on to something to get out of an easy chair (79%)	None hold on to something to get out of an easy chair (0%)	Few hold on to something to get out of an easy chair (20%)	Many hold on to something to get out of an easy chair (68%)	Few hold on to something to get out of an easy chair (33%)	Few hold on to something to get out of an easy chair (31%)	Dichotomous 0=no 1=yes
Difficult to get out of a chair (RMDQ-10)**	Most with difficulties getting out of a chair (96%)	Most with difficulties getting out of a chair (95%)	Very few with difficulties getting out of a chair (1%)	Few with difficulties getting out of a chair (25%)	Many with difficulties getting out of a chair (72%)	Few with difficulties getting out of a chair (33%)	Few with difficulties getting out of a chair (22%)	Dichotomous 0=no 1=yes
Difficult to turn over in bed (RMDQ-12)***	Most with difficulties turning in bed (90%)	Most with difficulties turning in bed (84%)	Few with difficulties turning in bed (21%)	Half with difficulties turning in bed (40%)	Half with difficulties turning in bed (53%)	Half with difficulties turning in bed (40%)	Half with difficulties turning in bed (53%)	Dichotomous 0=no 1=yes
Try not to bend or kneel down (RMDQ-9)***	Most try not to bend or kneel down (92%)	Most try not to bend or kneel down (80%)	Few try not to bend or kneel down (19%)	Half try not to bend or kneel down (55%)	Half try not to bend or kneel down (58%)	Half try not to bend or kneel down (59%)	Half try not to bend or kneel down (51%)	Dichotomous 0=no 1=yes
Dressed more slowly last two weeks (SBT-4) [†]	Most have dressed more slowly (81%)	Most have dressed more slowly (96%)	Very few have dressed more slowly (10%)	All have dressed more slowly (100%)	Very few have dressed more slowly (19%)	Few have dressed more slowly (25%)	Half have dressed more slowly (43%)	Dichotomous 0=disagree 1=agree
Get dressed more slowly (RMDQ-7) [†]	Most get dressed more slowly (98%)	Most get dressed more slowly (99%)	Very few get dressed more slowly (1%)	Most get dressed more slowly (98%)	Few get dressed more slowly (34%)	Very few get dressed more slowly (16%)	Few get dressed more slowly (33%)	Dichotomous 0=no 1=yes
Trouble putting on socks (RMDQ-13) [†]	Most have trouble putting on socks (95%)	Most have trouble putting on socks (96%)	Very few have trouble putting on socks (3%)	Most have trouble putting on socks (85%)	Half have trouble putting on socks (50%)	Few have trouble putting on socks (27%)	Few have trouble putting on socks (35%)	Dichotomous 0=no 1=yes
Walk more slowly (RMDQ-3) ^{‡‡}	All walk more slowly (100%)	Most walk more slowly (82%)	Very few walk more slowly (16%)	Few walk more slowly (33%)	Half walk more slowly (44%)	Half walk more slowly (49%)	Most walk more slowly (94%)	Dichotomous 0=no 1=yes
Go upstairs more slowly (RMDQ-18) ^{‡‡}	All go upstairs more slowly (100%)	Many go upstairs more slowly (78%)	Very few go upstairs more slowly (14%)	Few go upstairs more slowly (26%)	Half go upstairs more slowly (44%)	Half go upstairs more slowly (48%)	Many go upstairs more slowly (73%)	Dichotomous 0=no 1=yes
Avoid heavy jobs around the house (RMDQ-16) ^{‡‡‡}	Most avoid heavy jobs (99%)	Most avoid heavy jobs (86%)	Few avoid heavy jobs (27%)	Half avoid heavy jobs (64%)	Half avoid heavy jobs (47%)	Most avoid heavy jobs (98%)	Most avoid heavy jobs (92%)	Dichotomous 0=no 1=yes
Do less daily work around the house (RMDQ-22) ^{‡‡‡}	Most do less of the daily work (96%)	Most do less of the daily work (80%)	Very few do less of the daily work (10%)	Few do less of the daily work (37%)	Very few do less of the daily work (9%)	Most do less of the daily work (99%)	Many do less of the daily work (65%)	Dichotomous 0=no 1=yes
Not doing usual jobs	Most are not doing any	Half are not doing any	Very few are not doing	Few are not doing any	Very few are not doing	Many are not doing any	Half are not doing any	Dichotomous

around the house (RMDQ-4) ^{RRR}	usual jobs (85%)	usual jobs (60%)	any usual jobs (9%)	usual jobs (31%)	any usual jobs (17%)	usual jobs (73%)	usual jobs (45%)	0=no 1=yes
Cannot do physical activities which (might) make worse (FABQ-5) [†]	Many cannot do physical activities which (might) make my pain worse Disagree=18% Unsure=22% Agree=60%	Half cannot do physical activities which (might) make my pain worse Disagree=33% Unsure=21% Agree=46%	Very few cannot do physical activities which (might) make my pain worse Disagree=58% Unsure=28% Agree=14%	Very few cannot do physical activities which (might) make my pain worse Disagree=63% Unsure=22% Agree=15%	Few cannot do physical activities which (might) make my pain worse Disagree=57% Unsure=18% Agree=25%	Half cannot do physical activities which (might) make my pain worse Disagree=31% Unsure=28% Agree=41%	Few cannot do physical activities which (might) make my pain worse Disagree=42% Unsure=21% Agree=38%	Ordinal[†] 0=completely disagree 3=unsure 6=completely agree
Cannot work with present pain (FABQ-13) [†]	Half cannot work with present pain Disagree=33% Unsure=9% Agree=58%	Few cannot work with present pain Disagree=68% Unsure=7% Agree=25%	Very few cannot work with present pain Disagree=91% Unsure=5% Agree=4%	Very few cannot work with present pain Disagree=91% Unsure=4% Agree=5%	Very few cannot work with present pain Disagree=81% Unsure=7% Agree=12%	Few cannot work with present pain Disagree=63% Unsure=9% Agree=28%	Few cannot work with present pain Disagree=70% Unsure=5% Agree=24%	Ordinal 0=disagree 1=unsure 2=agree
Best posture to sit	Few enjoy sitting (24%)	Few enjoy sitting (21%)	Few enjoy sitting (23%)	Very few enjoy sitting (12%)	Very few enjoy sitting (18%)	Few enjoy sitting (33%)	Few enjoy sitting (29%)	Dichotomous 0=no 1=yes
Stay in bed most of the time (RMDQ-19)	Very few stay in bed (19%)	Very few stay in bed (2%)	Very few stay in bed (0%)	Very few stay in bed (0%)	Very few stay in bed (1%)	Very few stay in bed (1%)	Very few stay in bed (4%)	Dichotomous 0=no 1=yes
Change position frequently (RMDQ-2)	Most change position frequently (92%)	Most change position frequently (92%)	Many change position frequently (71%)	Most change position frequently (83%)	Most change position frequently (90%)	Most change position frequently (84%)	Most change position frequently (92%)	Dichotomous 0=no 1=yes
Subgroup description	Very high degree of disability (transfer/climbing, bending/turning, walking, dressing, household, work) More • with walking limitations (<i>do not enjoy walking, only stand for a short period of time, have only walked and walks only short distances</i>) • use handrail to get upstairs • with difficulties getting out of a chair • with difficulties turning over in bed • try not to bend or kneel down • with dressing problems • walk slowly	Very high degree of disability, but no walking distance limitation More • use handrail to get upstairs • with difficulties getting out of a chair • with difficulties turning over in bed • try not to bend or kneel down • with dressing problems • walk slowly • with difficulties doing household duties	Very low degree of disability Less • with walking limitation • Change position frequently • use handrail to get upstairs • with difficulties getting out of a chair • with difficulties turning over in bed • try not to bend or kneel down • with dressing problems • walk slowly • with difficulties doing household duties • cannot do physical activities which make pain worse • cannot work with present pain	Low degree of disability, but dressing problems More • with dressing problems Less • with walking limitation • cannot do physical activities which make pain worse • cannot work with present pain • enjoy sitting	Moderate degree of disability, no walking distance limitations (transfer and climbing problems, no trouble with normal household duties) More • with difficulties getting out of a chair Less • with walking limitation • cannot do physical activities which make pain worse • cannot work with present pain	Low degree of disability, but difficulties in household duties More • with difficulties doing household duties	Moderate degree of disability, high degree of walking limitations (speed and distance) More • with walking limitation (<i>do not enjoy walking, only stand for a short period of time, have only walked and walks only short distances</i>) • use handrail to get upstairs • walk slowly • avoid heavy jobs	

	<ul style="list-style-type: none"> with difficulties doing household duties cannot do physical activities which make pain worse cannot work with present pain stay in bed 							
Subgroup size, N	254 (27%)	223 (24%)	137 (15%)	105 (11%)	79 (9%)	81 (9%)	49 (5%)	
Posterior probability, median	0.98 (IQR=88-100)	0.95 (IQR=83-99)	0.99 (IQR=92-100)	0.95 (IQR=80-99)	0.96 (IQR=78-100)	0.93 (IQR=87-98)	0.96 (IQR=85-99)	
Posterior probability less than 0.70, N	27 (11%)	30 (13%)	13 (9%)	18 (17%)	15 (19%)	12 (15%)	5 (10%)	

Bold text indicates characteristic features which mainly identify the respective subgroups

RMDQ = Roland-Morris Disability Questionnaire; FABQ = Fear-Avoidance Beliefs Questionnaire; SBT = STarT Back Tool; IQR=interquartile range

† Trichotomised for the descriptive analysis: 0=disagree (0-2), 1=unsure (3), 2=agree (4-6)

Symbols and light lines: Variables which have similar scoring pattern across subgroups representing an overall feature:

*Walking distance limitations

**Transfer and climbing problems

***Bending/turning challenges

‡ Dressing problems

‡‡ Walking speed limitations

‡‡‡ Difficulties in household duties

† Cannot work with present pain

Table 7B. Subgroup by subgroup matrix to count crossing subgroups, activity domain, single-item strategy

<: row subgroup is always below column subgroup						
>: row subgroup is always above column subgroup						
X: the subgroups are crossing						
Profile	Act_single 1	Act_single 2	Act_single 3	Act_single 4	Act_single 5	Act_single 6
Act_single 2	X					
Act_single 3	<	X				
Act_single 4	X	X	X			
Act_single 5	<	X	X	X		
Act_single 6	X	X	X	X	X	
Act_single 7	X	X	>	X	X	X

Table 8A. Descriptive presentation of the five subgroups identified in the participation domain when using the summary-score strategy

Subgroup name Variable	Part_sum 1	Part_sum 2	Part_sum 3	Part_sum 4	Part_sum 5	Scale
Days with sick leave last month	Most with no sick leave (93%) Very few with 2-5 days of sick leave (7%)	Many with no sick leave (66%) Few with 2-5 days of sick leave (32%)	Many with no sick leave (71%) Few with 2-5 days of sick leave (26%)	Many with no sick leave (66%) Few with 2-5 days of sick leave (24%) Very few with 6-30 days of sick leave (11%) (but more compared to the other profiles)	Many with no sick leave (72%) Few with 2-5 days of sick leave (27%)	Ordinal 0=0 days 1=1-5 days (workweek) 2=6-31 days
FABQ-work subscale	Very low degree of fear avoidance beliefs (IQR=3-6)	Low degree of fear avoidance beliefs (IQR=9-13)	Moderate degree of fear avoidance beliefs (IQR=18-22)	High degree of fear avoidance beliefs (IQR=27-32)	Low degree of fear avoidance beliefs (IQR=11-17)	Continuous 0=no fear avoidance beliefs 38=high degree of fear avoidance beliefs
Physical workload	Sitting and walking at work Few only sit at work (34%) Half sit and walk at work (54%) Very few have light physical load (9%) Very few have heavy physical load (3%)	Sitting and walking at work None only sit at work (0%) Half sit and walk at work (57%) Few have light physical load (46%) Very few have heavy physical load (10%)	Low physical load None only sit at work (0%) Few sit and walk at work (21%) Half have light physical load (46%) Few have heavy physical load (33%)	High physical load None only sit at work (0%) Very few sit and walk at work (3%) Very few have light physical load (13%) Most have heavy physical load (84%)	All only sit at work All only sit at work (100%) None sit and walk at work (0%) None have light physical load (0%) None have heavy physical load (0%)	Ordinal 1=sitting 2=sitting and walking 3=light physical load 4=heavy physical load
Subgroup description	Very low degree of fear avoidance beliefs about work, low degree of physical workload	Low degree of fear avoidance beliefs about work, moderate degree of physical workload	Moderate degree of fear avoidance beliefs about work, high physical workload	High degree of fear avoidance beliefs about work, very high degree of physical workload More • with sick leave (>5 days) • with high degree of fear avoidance beliefs (work) • with heavy physical work load	Low degree of fear avoidance beliefs about work, very low degree of physical workload	
Subgroup size, N	365 (39%)	151 (16%)	193 (21%)	122 (13%)	97 (10%)	
Posterior probability, median	0.81 (IQR=54-93)	0.80 (IQR=67-88)	0.84 (IQR=64-91)	0.88 (IQR=55-99)	0.68 (55-81)	
Posterior probability less than 0.70, N	142 (39%)	43 (28%)	54 (28%)	43 (35%)	52 (54%)	

Bold text indicates characteristic features which mainly identify the respective subgroups

IQR = interquartile range; FABQ = Fear-Avoidance Beliefs Questionnaire

Table 8B. Subgroup by subgroup matrix to count crossing subgroups, participation domain, summary-score strategy

<: row subgroup is always below column subgroup				
>: row subgroup is always above column subgroup				
X: the subgroups are crossing				
Profile	Part_sum 1	Part_sum 2	Part_sum 3	Part_sum 4
Part_sum 2	>			
Part_sum 3	>	>		
Part_sum 4	>	>	>	
Part_sum 5	X	X	<	<

Table 9A. Descriptive presentation of the seven subgroups identified in the participation domain when using the single-item strategy

Subgroup name Variable	Part_single 1	Part_single 2	Part_single 3	Part_single 4	Part_single 5	Part_single 6	Part_single 7	Scale
Days with sick leave last month*	Most with no sick leave (92%) Very few with 2-5 days of sick leave (8%)	Most with no sick leave (94%) Very few with 2-5 days of sick leave (6%)	Most with no sick leave (84%) Very few with 2-5 days of sick leave (16%)	Few with no sick leave (33%) Many with 2-5 days of sick leave (64%) Very few with 6-31 days of sick leave (4%)	Many with no sick leave (68%) Few with 2-5 days of sick leave (30%) Very few with 6-31 days of sick leave (1%)	Many with no sick leave (77%) Few with 2-5 days of sick leave (20%) Very few with 6-31 days of sick leave (3%)	Few with no sick leave (22%) Half with 2-5 days of sick leave (52%) Few with 6-31 days of sick leave (26%)	Ordinal 0=0 days 1=1-5 days (workweek) 2=6-31 days
Decreased sexual activity (RMDQ-20)*	Few with decreased sexual activity (28%)	Few with decreased sexual activity (20%)	Few with decreased sexual activity (25%)	Many with decreased sexual activity (79%)	Half with decreased sexual activity (43%)	Few with decreased sexual activity (26%)	Many with decreased sexual activity (74%)	Dichotomous 0=no 1=yes
Stay home most of the time (RMDQ-1)*	Very few stay home most of the time (9%)	None stay home most of the time (0%)	Very few stay home most of the time (2%)	Most stay home most of the time (89%)	Few stay home most of the time (29%)	Very few stay home most of the time (10%)	Most stay home most of the time (86%)	Dichotomous 0=no 1=yes
Work is too heavy (FABQ-9)	None believe work is too heavy Disagree=100% Agree=0%	Few believe work is too heavy Disagree=74% Unsure=19% Agree=7%	Half believe work is too heavy Disagree=19% Unsure=23% Agree=58%	Few believe work is too heavy Disagree=71% Unsure=9% Agree=19%	None believe work is too heavy Disagree=99% Unsure=1% Agree=0%	None believe work is too heavy Disagree=100% Agree=0%	Half believe work is too heavy Disagree=29% Unsure=13% Agree=58%	Ordinal 0=disagree 1=unsure 2=agree
Work makes/would make pain worse (FABQ-10)	None believe work makes pain worse Disagree=100% Agree=0%	Few believe work makes pain worse Disagree=22% Unsure=54% Agree=24%	Most believe work makes pain worse Disagree=2% Unsure=12% Agree=86%	Few believe work makes pain worse Disagree=41% Unsure=36% Agree=24%	Half believe work makes pain worse Disagree=32% Unsure=26% Agree=42%	None believe work makes pain worse Disagree=94% Unsure=6% Agree=0%	Most believe work makes pain worse Disagree=0% Unsure=11% Agree=89%	Ordinal 0=disagree 1=unsure 2=agree
Work-aggravated pain (FABQ-7)	None believe work-aggravated pain Disagree=93% Unsure=7% Agree=0%	Few believe work-aggravated pain Disagree=35% Unsure=51% Agree=14%	Most believe work-aggravated pain Disagree=0% Unsure=17% Agree=83%	Very few believe work-aggravated pain Disagree=65% Unsure=29% Agree=6%	Most believe work-aggravated pain Disagree=0% Unsure=8% Agree=92%	Few believe work-aggravated pain Disagree=44% Unsure=31% Agree=24%	Most believe work-aggravated pain Disagree=0% Unsure=13% Agree=88%	Ordinal 0=disagree 1=unsure 2=agree
Pain caused by work/accident at work (FABQ-6)	None believe pain caused by work/accident at work Disagree=100% Agree=0%	Very few believe pain caused by work/accident at work Disagree=69% Unsure=28% Agree=3%	Many believe pain caused by work/accident at work Disagree=20% Unsure=18% Agree=61%	Very few believe pain caused by work/accident at work Disagree=74% Unsure=20% Agree=6%	Few believe pain caused by work/accident at work Disagree=40% Unsure=29% Agree=31%	Most believe pain caused by work/accident at work Disagree=0% Unsure=10% Agree=90%	Many believe pain caused by work/accident at work Disagree=13% Unsure=14% Agree=73%	Ordinal 0=disagree 1=unsure 2=agree
Physical workload	Sitting and walking at work Few only sit at work (30%) Half sit and walk at work (50%) Very few have light physical load (15%) Very few have heavy physical load	Sitting and walking / low physical load Few only sit at work (20%) Half sit and walk at work (41%) Few have light physical load (24%) Very few have heavy physical load	Low-high physical load Very few only sit at work (5%) Very few sit and walk at work (11%) Few have light physical load (23%) Many have heavy physical load	Low physical load (unspecific) Very few only sit at work (17%) Few sit and walk at work (27%) Few have light physical load (30%) Few have heavy physical load	Sit at work Many only sit at work (77%) Few sit and walk at work (21%) Very few have light physical load (1%) None have heavy physical load (0%)	Sitting and walking / low physical load Very few only sit at work (3%) Few sit and walk at work (32%) Few have light physical load (36%) Few have heavy physical load	Low-high physical load None only sit at work (0%) Very few sit and walk at work (9%) Few have light physical load (29%) Many have heavy physical load	Ordinal 1=sitting 2=sitting and walking 3=light physical load 4=heavy physical load

	(4%)	(16%)	(61%)	(26%)		(29%)	(62%)	
Subgroup description	<p>'Copers' Very low work and social participation limitations, low degree of physical workload</p> <p>Less</p> <ul style="list-style-type: none"> • With sick leave • Believe work is too heavy • Believe work makes pain worse • Believe work aggravated pain • Believe pain caused by work • With light-heavy physical workload 	<p>Very low social participation limitations, unsure if work aggravated/makes pain worse whichever degree of physical workload</p> <p>Less</p> <ul style="list-style-type: none"> • With sick leave 	<p>'Too heavy work makes pain worse'</p> <p>Very low social participation limitations, work is too heavy, work aggravated/makes pain worse, pain caused by or at work, high degree of physical workload</p> <p>More</p> <ul style="list-style-type: none"> • Believe work is too heavy • Believe work makes pain worse • Believe work aggravated pain • With light-heavy physical workload 	<p>'Social participation limitations'</p> <p>High degree of social participation limitations, but low degree of work limitations whichever degree of physical workload</p> <p>More</p> <ul style="list-style-type: none"> • With sick leave 2-5 days • With decreased sexual activity • Stay home most of the time 	<p>'Sitting at work makes pain worse'</p> <p>Moderate degree of social participation limitations, work aggravated/makes pain worse, very low degree of physical workload</p> <p>More</p> <ul style="list-style-type: none"> • Sit at work • Believe work aggravated pain <p>Less</p> <ul style="list-style-type: none"> • Believe work is too heavy 	<p>'Pain caused by work'</p> <p>Low degree of social participation limitations, pain caused by work, none with very low degree of physical workload</p> <p>Less</p> <ul style="list-style-type: none"> • Believe work is too heavy • Believe work makes pain worse • Believe pain caused by work • Only sit at work 	<p>'Severe participation limitations'</p> <p>High degree of social participation limitations, work is too heavy, work aggravated/makes pain worse, pain caused by or at work, high degree of physical workload</p> <p>More</p> <ul style="list-style-type: none"> • With sick leave 2-5 days or 6-31 days • With decreased sexual activity • Stay home most of the time • Believe work is too heavy • Believe work makes pain worse • Believe work aggravated pain • Believe pain caused by work • With low-high physical work load 	
Subgroup size, N	348 (38%)	154 (17%)	128 (14%)	93 (10%)	77 (8%)	70 (8%)	58 (6%)	
Posterior probability, median	0.94 (IQR=83-95)	0.67 (IQR=54-85)	0.87 (IQR=70-96)	0.83 (IQR=68-95)	0.79 (IQR=62-88)	0.84 (IQR=72-91)	0.91 (IQR=68-99)	
Posterior probability less than 0.70, N	58 (17%)	85 (55%)	32 (25%)	27 (29%)	25 (32%)	17 (24%)	15 (26%)	

IQR= interquartile range; FABQ-work = Fear-Avoidance Beliefs Questionnaire, work subscale

Symbols and light lines: Variables which have similar scoring pattern across subgroups representing an overall feature:

*Social participation limitations

Table 9B. Subgroup by subgroup matrix to count crossing subgroups, participation domain, single-item strategy

<: row subgroup is always below column subgroup						
>: row subgroup is always above column subgroup						
X: the subgroups are crossing						
Profile	Part_single 1	Part_single 2	Part_single 3	Part_single 4	Part_single 5	Part_single 6
Part_single 2	X					
Part_single 3	X	>				
Part_single 4	>	X	X			
Part_single 5	X	X	X	X		
Part_single 6	X	X	X	X	X	
Part_single 7	>	>	X	X	>	X

