

**Stable angina: perception of needs, quality of life and management of patients
(BRIDGE study) - a multi-national European physician survey**

Supplementary Materials

Supplementary Methods

PATIENT RECORD

A_AGE ___(numeric 18-105)___ years old B_SEX Male (1) Female (2)

C_BUILD Underweight (1) Average (2) Overweight (3) Obese (4)

D_SOCIO-ECONOMICAL CONDITION Low/Medium-Low (1) Medium (2) Medium-High / High (3)
Don't know (4)

E_ WHAT IS THE PATIENT'S EDUCATIONAL QUALIFICATION?

Bachelor's / Doctorate degree	1
High school diploma	2
Middle school certificate	3
Elementary school certificate	4
Other (specify) ___ (Progr. Open answer) ___	5
Don't know	o

F_SMOKE Yes, currently (1) Yes, in the past (2) No (3) Don't know (99)

G_ DOES THIS PATIENT PERFORM THE FOLLOWING PHYSICAL ACTIVITIES?

G1_Walking outside	Don't know o	No 1	Yes, Less than once a week 2	Yes, once a week or more 3	Yes, but I don't know how frequently 4
G2_Jogging	Don't know o	No 1	Yes, Less than once a week 2	Yes, once a week or more 3	Yes, but I don't know how frequently 4
G3_Swimming	Don't know o	No 1	Yes, Less than once a week 2	Yes, once a week or more 3	Yes, but I don't know how frequently 4
G4_Playing sports	Don't know o	No 1	Yes, Less than once a week 2	Yes, once a week or more 3	Yes, but I don't know how frequently 4
G5_Gymn	Don't know o	No 1	Yes, Less than once a week 2	Yes, once a week or more 3	Yes, but I don't know how frequently 4

G6_Other (specify)			Yes, Less than once a week 2	Yes, once a week or more 3	Yes, but I don't know how frequently 4
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H_WORKACTIVITIES Yes (1) No (2)

(If Code 1->):

H1_DID THIS PATIENT HAVE TO CHANGE HIS/HER TASKS IN HIS/HER OCCUPATIONAL ACTIVITY
BECAUSE OF STABLE ANGINA?

Yes (1) No (2) Don't Know (99)

(If Code 2->):

H2_HAS THIS PATIENT HAD TO ABANDON HIS/HER OCCUPATIONAL ACTIVITY BECAUSE OF STABLE
ANGINA? Yes (1) No (2) Don't Know (99)

I_HOW WOULD YOU DEFINE THE PATIENT'S CURRENT CONDITION RELATIVE TO HIS STABLE ANGINA?

Not good (1) Fair (2) Good (3) Very good (4)

J_IN YOUR OPINION TO WHAT DEGREE DOES THIS PATIENT CONSIDER IT IMPORTANT TO BE ABLE TO
PERFORM THE FOLLOWING ACTIVITIES? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT
ALL) TO 5 (EXTREMELY). (random order)

Climbing stairs	Score 5->1, with 0.5 fraction + D.K.
Walking long distances or in a hurried manner	Score 5->1, with 0.5 fraction + D.K.
Exercise / physical activity	Score 5->1, with 0.5 fraction + D.K.
Intimate relationships	Score 5->1, with 0.5 fraction + D.K.
Spirited discussion/Arguments	Score 5->1, with 0.5 fraction + D.K.
Coping with stressful situations	Score 5->1, with 0.5 fraction + D.K.
Carrying weights (shopping bags, children, etc.)	Score 5->1, with 0.5 fraction + D.K.
Carrying out occupational activity	Score 5->1, with 0.5 fraction + D.K.
Doing housework	Score 5->1, with 0.5 fraction + D.K.
Playing Sport (e.g. golf, football, hunting etc)	Score 5->1, with 0.5 fraction + D.K.
Hobbies (e.g. dancing, gardening etc.)	Score 5->1, with 0.5 fraction + D.K.
Playing with children	Score 5->1, with 0.5 fraction + D.K.

K_DOES THIS PATIENT HAVE THE SUPPORT OF A CAREGIVER?

No (1) Yes, a family member (2) Yes, an external caregiver (3) Don't know (99)

L_ANXIOUS COMPONENT Absent (1) Mild (2) Obvious (3)

M_DIAGNOSIS OF STABLE ANGINA

Less than 1 year ago (1) 1-2 years ago (2) 3-5 years ago (3) 6-10 years ago (4) More
than 10 years ago (5)

N_ WHICH PHYSICIAN FIRST DIAGNOSED THIS PATIENT WITH STABLE ANGINA?

Primary care physician	1
Cardiologist	2
Internist	3
Emergency room physician	4
Other specialist (specify) _____ (Progr. Open answer) _____	5

O_CCS CLASS (progr: write the explanation for each class as D.2): 1 2 3 4

P_ SYMPTOMS OF STABLE ANGINA

P1_Chest tightness/ heaviness	NO (1) YES (2)	P2_Chest pain	NO (1) YES (2)
P3_Breathing difficulties	NO (1) YES (2)	P4_Arrhythmia /Tachycardia	NO (1) YES (2)
P5_Fatigue	NO (1) YES (2)	P6_Arm pain	NO (1) YES (2)
P7_Strong sweat	NO (1) YES (2)	P8_Nausea / Vomiting	NO (1) YES (2)
P9_Dizziness	NO (1) YES (2)	P10_Stress / Anxiety / Depression	NO (1) YES (2)
P11_Jaw / Neck pain	NO (1) YES (2)	P12_Other (Specify ____ OE ____)	NO (1) YES (2)

Q_CORONARY ANGIOGRAPHY Performed (1) Never Performed (2)

R_ ASSOCIATED DISEASES:

R1_HEART FAILURE	NO (1) YES (2)	R6_ARRHYTHMIA	NO (1) YES (2)
R2_PREVIOUS AMI	NO (1) YES (2)	R7_NEPHROPATHY	NO (1) YES (2)
R3_HYPERTENSION	NO (1) YES (2)	R8_HYPERCHOLESTEROLEMIA	NO (1) YES (2)
R4_DIABETES	NO (1) YES (2)	R9_COPD	NO (1) YES (2)
R5_PERIPHERAL ARTERIAL DISEASE	NO (1) YES (2)	R10_OTHER (Specify ____ OE ____)	NO (1) YES (2)

S_AORTOCORONARY BYPASS Yes (1) No (2)

T_ ANGIOPLASTY (PCI) Yes (1) No (2)

IF T=1

T1_HOW LONG AGO WAS THE ANGIOPLASTY (PCI) CARRIED OUT?

Less than 1 year ago (1) 1-2 years ago (2) 3-5 years ago (3) 6-10 years ago (4) More than 10 years ago (5)

IF T=1 **T2_IN WHICH CCS CLASS WAS THE PATIENT IN BEFORE THE INTERVENTION?** 1 2 3 4

IF T=1 **T3_AND AFTER?** 1 2 3 4

U_ IN YOUR OPINION, TO WHAT DEGREE DOES STABLE ANGINA LIMIT THIS PATIENT IN PERFORMING THE FOLLOWING ACTIVITIES? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY). TO ALLOW YOU TO RATE THE ITEMS MORE PRECISELY, THE SCALE ALLOWS YOU TO USE ALSO HALF POINTS. (Random order)

Climbing stairs	Score 5->1, with 0.5 fraction + D.K.
Walking long distances or in a hurried manner	Score 5->1, with 0.5 fraction + D.K.
Exercise / physical activity	Score 5->1, with 0.5 fraction + D.K.
Intimate relationships	Score 5->1, with 0.5 fraction + D.K.
Spirited discussion/Arguments	Score 5->1, with 0.5 fraction + D.K.
Coping with stressful situations	Score 5->1, with 0.5 fraction + D.K.
Carrying weights (shopping bags, children, etc.)	Score 5->1, with 0.5 fraction + D.K.
Carrying out occupational activity	Score 5->1, with 0.5 fraction + D.K.
Doing housework	Score 5->1, with 0.5 fraction + D.K.
Playing Sport (e.g. golf, football, hunting etc)	Score 5->1, with 0.5 fraction + D.K.
Hobbies (e.g. dancing, gardening etc.)	Score 5->1, with 0.5 fraction + D.K.
Playing with children	Score 5->1, with 0.5 fraction + D.K.

V_ TO WHAT DEGREE DO YOU THINK THAT THIS PATIENT EXPERIENCES THE FOLLOWING CONDITIONS DUE TO STABLE ANGINA? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY).

Being in a bad mood, irritable	Score 5-1, with 0.5 fraction + D.K.
Feeling uncomfortable with others	Score 5-1, with 0.5 fraction + D.K.
Feeling sad, melancholy, pessimistic	Score 5-1, with 0.5 fraction + D.K.
Carrying out activities without enthusiasm	Score 5-1, with 0.5 fraction + D.K.
Having little confidence in myself	Score 5-1, with 0.5 fraction + D.K.

Vx_ IN YOUR OPINION, TO WHAT EXTENT DOES THIS PATIENT CONSIDER THE FOLLOWING CONDITIONS ATTRIBUTABLE TO HIS/HER SYMPTOMS? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY).

Being in a bad mood, irritable	Score 5->1, with 0.5 fraction + D.K.
Feeling uncomfortable with others	Score 5->1, with 0.5 fraction + D.K.
Feeling sad, melancholy, pessimistic	Score 5->1, with 0.5 fraction + D.K.
Having little confidence in oneself	Score 5->1, with 0.5 fraction + D.K.
Carrying out activities without enthusiasm	Score 5->1, with 0.5 fraction + D.K.

W_ HOW WORRIED DO YOU BELIEVE THE PATIENT IS ABOUT HAVING A POSSIBLE ANGINA ATTACK? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY). TO ALLOW YOU TO RATE THE ITEMS MORE PRECISELY, THE SCALE ALLOWS YOU TO USE ALSO HALF POINTS.

Score: ____ Score 5->1, with 0.5 fraction + Don't Know ____

X_N. OF REPORTED ANGINA ATTACKS IN A MONTH (AVERAGE NUMBER)

Less than one (1) One (2) Two (3) Three (4) Four (5) Five-Seven (6) Eight-Ten (7) More than ten (7) D.K (99)

Y_ IN YOUR OPINION, WHAT PROPORTION OF ATTACKS DOES THE PATIENT REPORT TO YOU?

_____ %

Z_ HOW MANY ATTACKS PER MONTH SHOULD THIS PATIENT HAVE FOR YOU TO CONSIDER HIS/HER CONDITION AS "GOOD QUALITY OF LIFE"? N.____(numeric from 0 to 999) _____attacks / month**AX_ CURRENT THERAPY FOR STABLE ANGINA (brands with daily dosages)**

Please enter the name of the product (or, if more than one, of the products) for stable angina in the current treatment of this patient, excluding other products that are not related with this disease.

AX1_ PRODUCT 1: ____ (OE) _____

AY1_ Daily dosage: ____ (numeric 0-10000 – decimals allowed) _____ mg

AX2_ PRODUCT 2 (if it's present): _____

AY2_ Daily dosage: _____ mg

AX3_ PRODUCT 3 (if it's present): _____

AY3_ Daily dosage: _____ mg

AX4_ PRODUCT 4 (if it's present): _____

AY4_ Daily dosage: _____ mg

AX5_ PRODUCT 5 (if it's present): _____

AY5_ Daily dosage: _____ mg

AX6_ PRODUCT 6 (if it's present): _____

AY6_ Daily dosage: _____ mg

BX_ DOES THIS THERAPY INCLUDE A NITRODERIVATIVE?

Yes, a long-acting nitroderivative (1) Yes, a short-acting nitroderivative (2) No (3)

CX_ HOW LONG HAS THE PATIENT BEEN TAKING THE CURRENT THERAPY?

I set it during the last visit (1) 1-3 months (2) 4-6 months (3) 7-12 months (4) 1-2 years (5) More than two years (6)

DX_ HOW SATISFIED DO YOU BELIEVE THAT THE PATIENT IS WITH THIS TREATMENT? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY). TO ALLOW YOU TO RATE THE ITEMS MORE PRECISELY, THE SCALE ALLOWS YOU TO USE ALSO HALF POINTS.

Score: ____ Score 5->1, with 0.5 fraction + D.K. ____

EX_ IN YOUR OPINION, HOW IMPORTANT IS FOR THIS PATIENT THAT YOU DO THE FOLLOWING THINGS WITH HIM/HER? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY). TO ALLOW YOU TO RATE THE ITEMS MORE PRECISELY, THE SCALE ALLOWS YOU TO USE ALSO HALF POINTS.

	Score
Give clear explanations about the disease	Score 5->1, with 0.5 fraction + D.K.
Give clear explanations about the function of medications	Score 5->1, with 0.5 fraction + D.K.
Give practical tips for everyday life	Score 5->1, with 0.5 fraction + D.K.
Listen attentively	Score 5->1, with 0.5 fraction + D.K.

Be available for contact for any needs	Score 5->1, with 0.5 fraction + D.K.
Provide rules to be followed scrupulously	Score 5->1, with 0.5 fraction + D.K.
Give comfort and psychological support	Score 5->1, with 0.5 fraction + D.K.
Be competent and updated scientifically	Score 5->1, with 0.5 fraction + D.K.
Have a positive and encouraging attitude	Score 5->1, with 0.5 fraction + D.K.
Keep in contact with the other physicians who attend to him/her	Score 5->1, with 0.5 fraction + D.K.

FX_ PATIENT ATTITUDE

Active collaboration (1) Passive collaboration (2) Wary and uncooperative (3) Depressed and uncooperative (4)

GX_ LEVEL OF PATIENT COMPLIANCE TO THERAPY

Poor (1) Fair (2)

High (3)

HX_ LEVEL OF COMMUNICATION BETWEEN YOU AND THE PATIENT:

Poor (1) Fair (2)

High (3)

IX_ IN YOUR OPINION, TO WHAT DEGREE DOES THIS PATIENT FEEL THE NEED TO IMPROVE THE FOLLOWING ASPECTS REGARDING HIS/HER STABLE ANGINA? TO ANSWER, PLEASE CHOOSE A SCORE FROM 1 (NOT AT ALL) TO 5 (EXTREMELY).

Receive more information regarding stable angina	Score 5->1, with 0.5 fraction + D.K.
Improve his/her everyday life	Score 5->1, with 0.5 fraction + D.K.
Have the possibility to carry out activities as before the illness	Score 5->1, with 0.5 fraction + D.K.
Have more support from doctors	Score 5->1, with 0.5 fraction + D.K.
Have less pill burden	Score 5->1, with 0.5 fraction + D.K.
Have lower costs linked to stable angina	Score 5->1, with 0.5 fraction + D.K.
Have lower side effects due to the treatment	Score 5->1, with 0.5 fraction + D.K.

JX Approximately, what was the duration of the last follow-up visit with this patient? No. _____ minutes

KX How much time passed between your last two visits to this patient for stable angina?

No. _____ ☐ weeks ☐ months ☐ It was the first visit for stable angina

Supplementary Table 1. Physicians' response status analysis.

Response status	All physicians	Target	
		Cardiologists	GPs
Invited physicians, n	9068	2583	6485
Accessed the CAWI survey, n	1344 (14.8%)	611 (23.7%)	733 (11.3%)
Not accepted due to geo-area over quota	206 (2.3%)	54 (2.1%)	152 (2.3%)
Not accepted due to screening criteria	315 (3.5%)	189 (7.3%)	126 (1.9%)
Did not complete the survey	164 (1.8%)	50 (1.9%)	114 (1.8%)
Completed the survey	659 (7.3%)	318 (12.3%)	341 (5.3%)
Did not access the CAWI survey, n	7724 (85.2%)	1972 (76.3%)	5752 (88.7%)

GP, general practitioner; CAWI, Computer Assisted Web Interviewing.

Supplementary Table 2. Characteristics of the participating physicians.

Characteristics	All physicians	Cardiologists	GPs
Physicians, n	659	318	341
Country, n (%)			
Italy	162 (24.6%)	80 (25.2%)	82 (24.0%)
Spain	171 (25.9%)	78 (24.5%)	93 (27.3%)
Germany	163 (24.7%)	80 (25.2%)	83 (24.3%)
United Kingdom	163 (24.7%)	80 (25.2%)	83 (24.3%)
Years of specialisation			
Mean (SD)	19.2 (7.5)	16.4 (6.8) ^a	21.8 (7.3) ^a
Median (range)	18 (4–38)	15 (4–37)	22 (6–38)
Number of (out-) patients seen in a working week ¹			
Mean (SD)	162.3 (130.0)	101.4 (92.0) ^a	219.1 (134.4) ^a
Median (range)	130 (15–750)	75 (15–500)	180 (40–750)
Number of (out-) patients with SA seen in the previous month ²			
Mean (SD)	36.8 (47.0)	51.3 (59.9) ^a	23.4 (23.7) ^a
Median (range)	20 (5–400)	30 (5–400)	15 (5–200)
Patients with SA seen and therapy initiated by cardiologist, % ³			
Mean (SD)	N/A	84.1% (17.5)	N/A
Median (range)	N/A	90% (40%–100%)	N/A
In percentage terms, how many patients seen by you with SA			
...are managed by the specialist (%)			
Mean (SD)	N/A	N/A	17.6% (21.2)
Median (range)	N/A	N/A	8% (0%–100%)
...are managed by the specialist and followed by you on a constant basis (You don't change the therapy prescribed by the specialist), %			
Mean (SD)	N/A	N/A	26.7% (25.5)
Median (range)	N/A	N/A	19% (0%–100%)

Characteristics	All physicians	Cardiologists	GPs
... are managed by the specialist and followed by you on a constant basis (You change the therapy prescribed by the specialist), %			
Mean (SD)	N/A	N/A	23.4% (24.0)
Median (range)	N/A	N/A	20% (0%–100%)
...are managed entirely by you, %			
Mean (SD)	N/A	N/A	32.3% (31.5)
Median (range)	N/A	N/A	20% (0%–100%)

GP, general practitioner; N/A, not applicable; SA, stable angina; SD, standard deviation.

Values given are mean (SD), median (range) or number of patients (%).

¹ Survey question for cardiologists: 'How many outpatients do you see -visit in a working week?'

Survey question for GPs: 'Number of patients seen in a working week.' Cardiologists seeing <15 patients and GPs seeing <40 patients per week were excluded.

² Survey question for cardiologists: 'During the last working month, how many of the following types of patients [this included patients with SA] have you seen on an outpatient basis?'

Survey question for GPs: 'During the last working month, how many of the following types of patients [this included patients with SA] have you seen?' Physicians answering <5 patients were excluded.

³ Survey question: 'In percentage terms, in the following types of patients [this included patients with SA] that you examined how many times do you initiate a therapy personally?'

^a Statistically significant difference between cardiologists and GPs, $p < 0.05$ (t-test).

Supplementary Table 3. Importance of everyday activities for patients with stable angina perceived by physicians, by age group and time since diagnosis – original values and values weighted for CCS class.

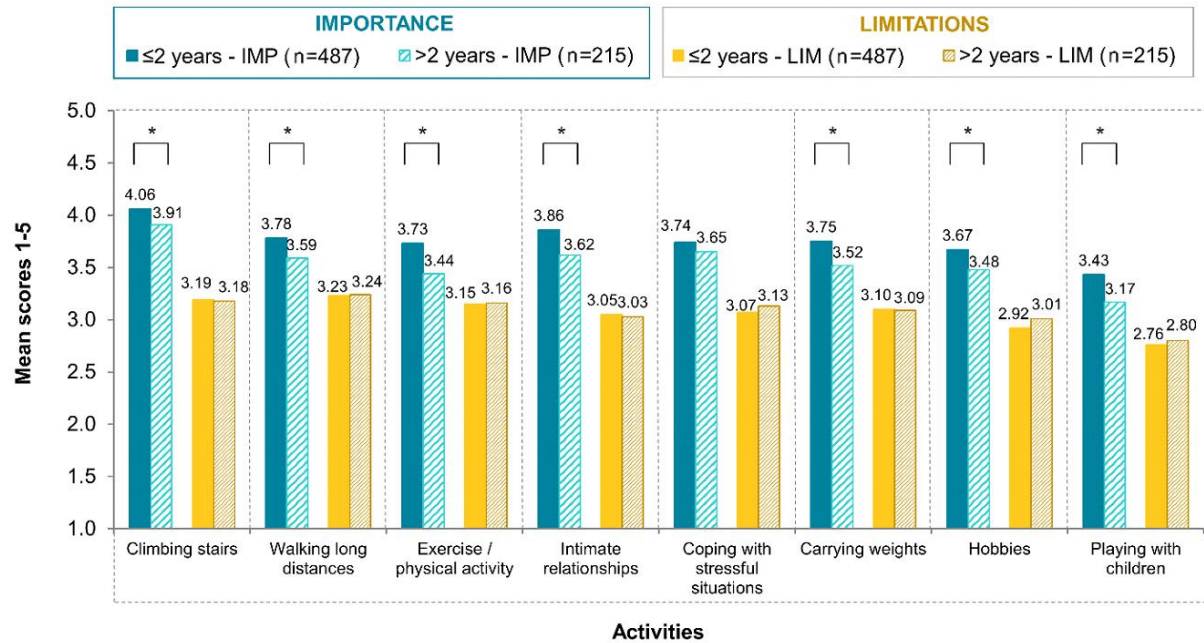
Activity	Importance of everyday activities									
	Age group	<65 years old			65-74 years old			≥75 years old		
		Time since diagnosis	≤2 yrs	>2 yrs	>2 yrs*	≤2 yrs	>2 yrs	>2 yrs*	≤2 yrs	>2 yrs
Climbing stairs		4.06	3.91	3.92	4.00	3.89	3.89	3.90	3.76	3.77
Walking long distances		3.78	3.59	3.61	3.60	3.49	3.50	3.50	3.14	3.18
Exercise / physical activity		3.73	3.44	3.46	3.50	3.25	3.26	3.36	3.08	3.17
Intimate relationships		3.86	3.62	3.66	3.38	3.08	3.10	2.81	2.47	2.56
Stressful situations		3.74	3.65	3.65	3.53	3.37	3.37	3.40	3.06	3.13
Carrying weights		3.75	3.52	3.54	3.63	3.47	3.47	3.55	3.23	3.26
Hobbies		3.67	3.48	3.51	3.46	3.32	3.33	3.28	3.08	3.17
Playing with children		3.43	3.17	3.19	3.37	3.16	3.17	3.12	2.91	3.00

CCS, Canadian Cardiovascular Society; yrs, years.

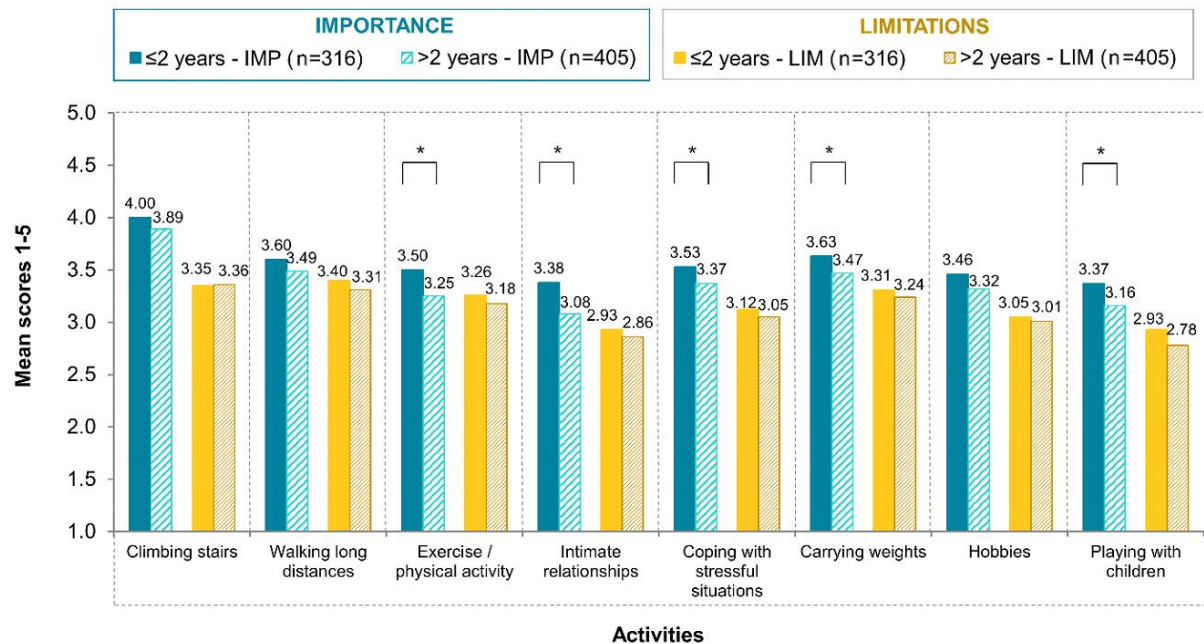
* Corrected values were calculated for the groups with diagnosis >2 years by weighting data with the same distribution for CCS class as in the groups with diagnosis ≤2 years.

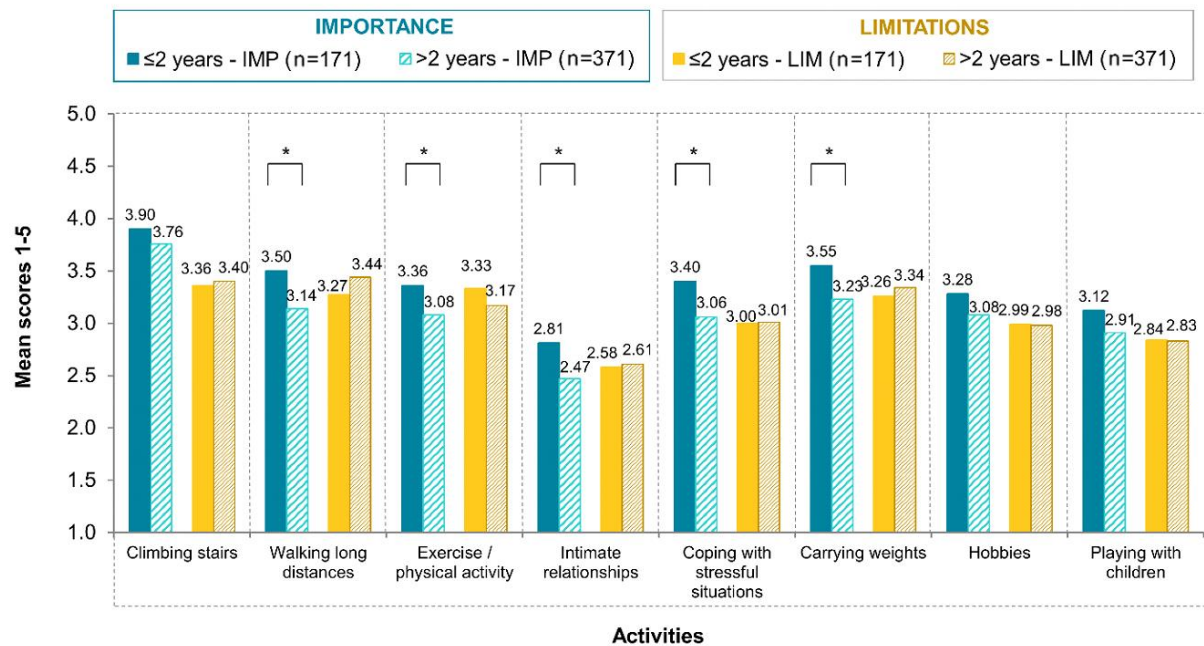
Supplementary Figure 1. Importance of and limitations in everyday activities for patients with stable angina as perceived by physicians, by age group. A) <65 years, B) 65-74 years, C) ≥75 years.

A) Age group <65 years



B) Age group 65-74 years



C) Age group ≥ 75 years

IMP, importance; LIM, limitations.

* Statistically significant difference between the two groups (t-test), $p < 0.05$.

Survey question for importance: 'In your opinion, to what degree does this patient consider it important to be able to perform the following activities? To answer, please choose a score from 1 (Not at all) to 5 (Extremely).'

Survey question for limitations: 'In your opinion, to what degree does stable angina limit this patient in performing the following activities? To answer, please choose a score from 1 (Not at all) to 5 (Extremely). To allow you to rate the items more precisely, the scale allows you to use also half points'.

For both questions, scores could be given from 1–5, with 0.5 fractions. The respondents could also answer, 'Don't know'.