

The vast majority of cardiac patients is unable or unwilling to participate in an experience sampling study to assess patient-reported outcomes

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Background

- Experience sampling (ES) poses a challenge to patients with multiple morbidities.
- We investigated how many patients with cardiac disease and co-morbidities were willing and able to participate in an ES-study.

Methods

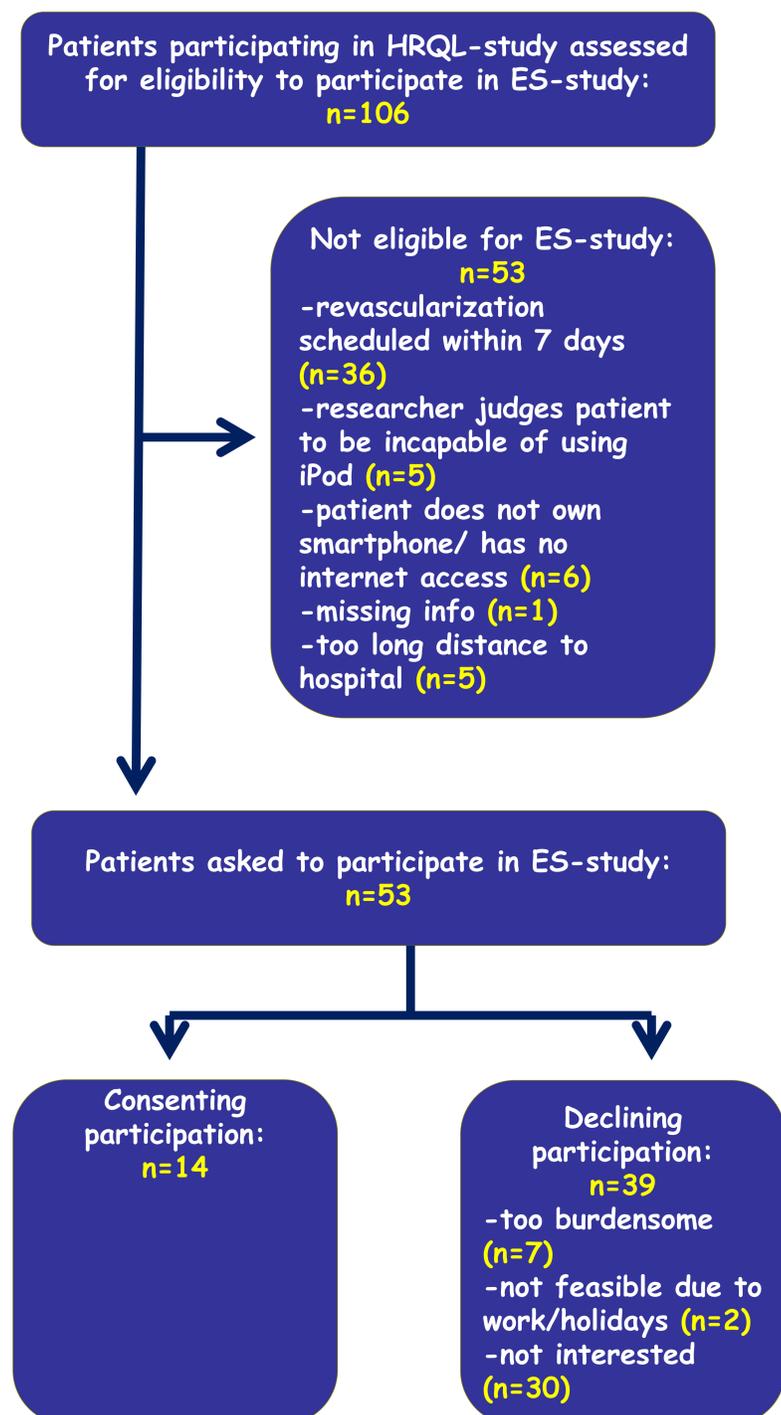
Health-Related Quality-of-Life (HRQL) study:

- Consecutive cardiac patients referred to an academic medical center for revascularization, were asked to participate in a HRQL study using standard questionnaires.
- Patients consenting to participate in the HRQL-study were additionally invited to participate in the ES-study.

ES-study:

- beep-questionnaire administered 10x/day for 7 days by iPod, before, and two times after revascularization.
- Major extra inclusion criteria:
 - patient owns a smartphone and has internet access
 - patient completes standard HRQL questionnaire (EQ5D)

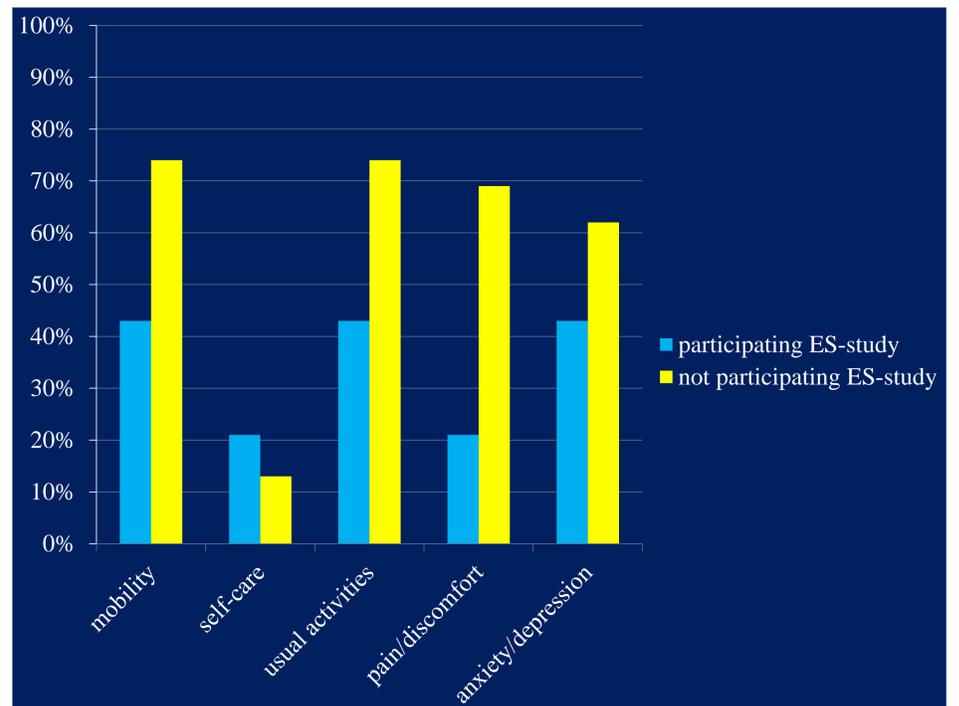
Flow of patients into the study



Demographic characteristics of patients participating and not participating in the ES-study

	Not participating in ES-study n=39	Participating in ES-study n=14	p-value
Age, mean (SD)	68 (9)	65 (8)	0.23
Male	18%	36%	0.32
Higher educational level	69%	71%	0.88
Married/ Living together	62%	86%	0.09
Paid work, at least 12 hours per week	15%	29%	0.49

Percentage of patients reporting problems on EQ5D HRQL domains



- Patients participating in the ES-study less often reported problems with mobility (p=0.03), usual activities (p=0.03) and pain/discomfort (p=0.001) on the EQ5D than patients not participating.

Conclusions

- The vast majority of patients was unable or unwilling to participate in an ES-study.
- Patients for whom participation was deemed most relevant, i.e., those reporting problems on HRQL domains, were the least likely to participate.

