

SUPPLEMENT S1 – PARTICIPANT SELECTION: PURPOSIVE SAMPLE

For patients meeting the inclusion criteria, we aimed to ensure diversity in patient characteristics that may influence patient experience in order to enhance transferability of our findings. A purposive sample was selected by screening patients' medical records to ensure heterogeneity in terms of country, study arm, gender, age, hospital ward, education and living situation (at home/nursing home).

We estimated *a priori* that we would need to include 10-15 patients in each study site based on the following reasons: (a) we wanted to have a similar number of patients recruited from each site, as the research team considered that country and site (and implementation of intervention at each site) could influence patient's experience and (b) At each study site, we aimed to ensure diversity in the following patients characteristics in order to enhance the transferability of our findings:

- Study arm: e.g. 7-8 patients from the intervention arm and 7-8 patients from the control arm
- Gender: e.g. ≥ 3 men and ≥ 3 women per study arm
- Age: e.g. ≥ 2 patients >70 & ≤ 80 years, ≥ 2 patients >80 & ≤ 90 years and ≥ 2 patients ≥ 90 years per study arm
- Hospital ward : e.g. ≥ 3 patients from a surgical ward and ≥ 3 from a medical ward per study arm
- Education : e.g. ≥ 2 patients with less than high school education, ≥ 2 patients with a high school degree and ≥ 2 patients with a post-secondary degree (diploma from a university or equivalent institution) per study arm
- Living situation: e.g. ≥ 3 patients living in a nursing home and ≥ 3 patients living at home per study arm

The final purposive sample of 48 patients is shown in Table 1.

Table 1: Purposive sample (n=48)

Study arm	Intervention arm				Control arm			
<i>n of patients</i>	27				21			
Gender	Female		Male		Female		Male	
<i>n of patients</i>	15		12		8		13	
Age	>70 & ≤80 years	>80 & ≤90 years	≥90 years		>70 & ≤80 years	>80 & ≤90 years	≥90 years	
<i>n of patients</i>	21	6	0		13	7	1	
Hospital ward	Medical ward		Surgical ward		Medical ward		Surgical ward	
<i>n of patients</i>	18		9		18		3	
Education	Less than high school education	High school degree	Post-secondary degree		Less than high school education	High school degree	Post-secondary degree	
<i>n of patients</i>	3	16	8		4	7	10	
Living situation	Nursing home		At home		Nursing home		At home	
<i>n of patients</i>	2		25		1		20	
Country	Belgium	Ireland	Switzerland	The Netherlands	Belgium	Ireland	Switzerland	The Netherlands
<i>n of patients</i>	8	3	8	8	7	4	3	7