Expected number of admissions in the 5 participating nursing homes during the planned 18 months of patient inclusion, based on the statistics of previous years from the participating nursing homes = 1350

25% reduction based on Lasagna’s law that states that when trial recruitment starts, the supply of suitable patients becomes a fraction of what it was assumed to be based on previous data.

Safe estimate of number of admissions for the research period = 1000

10% expected loss due to already existing sacral pressure ulcers and 5% for other reasons.

Expected number of patients fulfilling inclusion criteria = 850

10% expected loss due to refusal of patients.

Expected number of patients willing to participate, and that will be randomized = 765

2% loss due to missing data.

Expected number of patients that can be included in the final analysis and are needed according to the sample calculation = 750