

**Appendix III**

**Sensitivity analyses with 25 participants per trained coach**

If only the trained nurses (N=82) in the LION study would provide the intervention to all patients in the participating teams (2720 patients over 17 teams), each trained nurse would coach 33 patients. In case all nurses (N=153) within the 17 teams would be trained to provide the intervention, the number of coached patients per nurse is 17. Since the type of contract may differ per nurse, it may not be beneficial to train all nurses within the teams. Therefore, in the sensitivity analyses, the mean number of patients coached per nurse (25) is used.

Based on 25 participants per coach, training costs per participant would be €3.5, €9.1 and €7.4, for the three pricing perspectives. The table below shows how this would (not) affect total costs per participant.

*eTable 1. Intervention costs (Euros) per participant for societal and third party payer perspectives used in the original analysis and the sensitivity analysis (SA).*

	Third party payer scenario I		Third party payer scenario II		Societal perspective	
	Original	SA	Original	SA	Original	SA
Training costs	134	9,1	109	7,4	51	3,5
Web tool costs	63	63	63	63	43	43
Time costs	0	0	917	917	599	599
<b>Total</b>	<b>197</b>	<b>72</b>	<b>1089</b>	<b>987</b>	<b>693</b>	<b>645</b>

As can be seen from the above only for the Third party payer scenario 1, the assumption on training costs would really affect overall costs per participant and hence total budget impact.

*eTable 2. Results of the budget impact analysis for three scenarios from three perspectives in million euros, based on price levels of 2014, based on 25 patients per coach.*

			Perspective		
			Societal	Third party payer I	Third party payer II
<b>Costs per participant (€)</b>			645	72	987
Scenario	Year	Numbers of participants	Budget impact in The Netherlands € * million		
<b>1: Rapid roll out</b>					
	2016	97,340	63	7.0	96
	2017	20,410	13	1.5	20
	2018	20,410	13	1.5	20
	2019	20,410	13	1.5	20
	2020	20,410	13	1.5	20
	5 years total	178,980	115	13	177
<b>2: Uptake as in trial</b>					
	2016	6,337	4	0.5	6.3
	2017	1,329	0.9	0.1	1.3
	2018	1,329	0.9	0.1	1.3
	2019	1,329	0.9	0.1	1.3
	2020	1,329	0.9	0.1	1.3
	5 years total	11,651	7.5	0.8	11.5
<b>3: Gradual increase in uptake</b>					
	2016	6,337	4.1	0.5	6.3
	2017	19,260	12	0.1	19
	2018	28,068	18	2.0	28
	2019	31,787	21	2.3	31
	2020	30,811	20	2.2	30
	5 years total	116,263	75	8.4	115

Note: Third party approach I) including the true intervention related costs: training costs for coaches and costs of the web tool; Third party approach II) including true intervention related costs and the time costs of the coaches when giving the intervention. Numbers do not completely add to 5 year totals due to rounding.