

Table S1

Unit costs

Type of resource	Unit cost (2014 €)
Pharmacy fee per prescription	7.85
GP, consultation	30.85
GP, phone consultation	15.43
GP, home visit	47.38
Nurse practitioner, consultation	29.75
Pulmonologist/pediatrician, consult	79.33
Pulmonologist/pediatrician, phone consult	39.67
Emergency room visit	166.38
Inpatient hospital day	479.29
Treatment without overnight stay	276.56
Production loss, mother, per day	257.83
Production loss, father, per day	300.05

Table S2a

Mean adjusted adherence, during first six months and last six months, intention to treat analysis.

	Intervention (n=101) [#]	95%CI	Control (n=108) [#]	95%CI	Difference	95%CI
Full study period	69.3%	65.5%;73.4%	57.3%	52.8%;61.7%	12.0%	6.7%;17.7%
First six months period	73.1%	69.3%;76.6%	58.1%	53.8%;62.5%	15.0%	9.3%;20.7%
Second six months period	65.4%	60.6%;71.3%	56.5%	50.8%;62.6%	9.0%	2.4%;16.3%

Table S2b

Mean adjusted adherence, during first six months and last six months, per-protocol analysis of all patients with a minimum follow-up of 90 days after randomization

	Intervention (n=87) [#]	95%CI	Control (n=99) [#]	95%CI	Difference	95%CI
Full study period	71.3%	67.5%;75.5%	59.8%	55.8%;65.0%	11.4%	5.9%;17.0%
First six months period	75.2%	71.5%;78.6%	60.7%	56.5%;65.3%	14.4%	8.4%;20.1%
Second six months period	67.3%	62.7%;73.3%	58.9%	53.6%;67.0%	8.4%	1.8%;15.2%

Table S2c

Mean adjusted adherence, during first six months and last six months, modified per-protocol analysis of all patients with a minimum follow-up of 180 days days after randomisation

	Intervention (n=72)	95%CI	Control (n=82)	95%CI	Difference	95%CI
Full study period	75.0%	71.8;78.2%	63.9%	59.4%;68.3%	11.1%	5.7%;17.1%
First six months period	79.0%	75.8%;82.3%	65.0%	60.2%;69.5%	14.0%	8.3%;20.4%
Second six months period	70.9%	66.7%;75.0%	62.9%	60.2%;69.5%	8.1%	1.6%;14.6%

Table S2d

Mean adjusted adherence, during first six months and last six months, modified per-protocol analysis all patients with a minimum follow-up of 270 days after randomisation

	Intervention (n=62) [#]	95%CI	Control (n=67) [#]	95%CI	Difference	95%CI
Full study period	77.2%	74.1%;80.2%	67.3%	62.9%;71.8%	9.9%	4.2%;15.4%
First six month period	81.1%	77.9%;84.4%	68.0%	63.1%;72.9%	13.1%	6.9%;18.9%
Second six month period	73.4%	69.3%;77.1%	66.6%	61.5%;72.2%	6.7%	0.0%;13.0%

[#] There are slight differences between the numbers of patients in figure 2 and in this Appendix. This is due to incidental missing values and to different cut-off points for monthly adherence and follow-up.

Figure S3

Adjusted mean c-ACT-score per treatment group, and the difference, over the course of the study period.

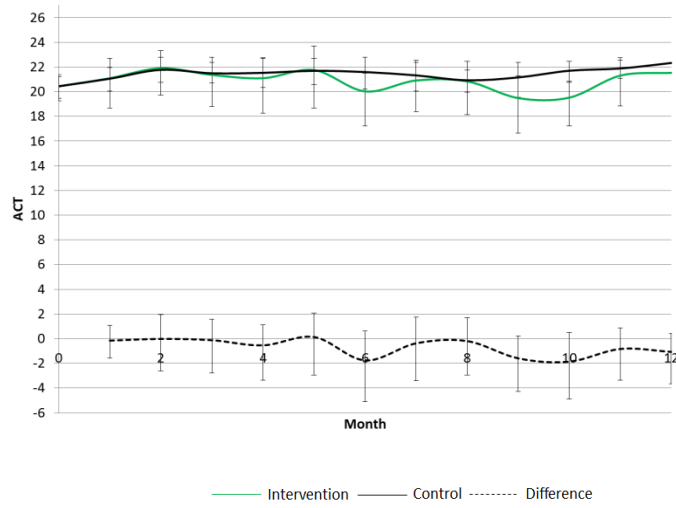


Table S4

Healthcare resource use (mean, standard deviation) per patient, unadjusted for time in study

Resource	Intervention (n=101)	Control (n=108)
GP, consultations	0.60 (1.56)	0.49 (1.27)
GP, phone calls	0.020 (0.14)	0.074 (0.35)
GP, home visits	0 (0)	0.056 (0.43)
Nurse practitioner, consultations	0.0099 (0.10)	0.0093 (0.096)
Outpatient hospital visits	1.65 (2.07)	1.83 (1.85)
Emergency room visits	0 (0)	0.06 (0.5)
Day-care treatment in hospital	0 (0)	0.065 (0.67)
Inpatient hospital days	0 (0)	0.10 (0.77)
Hospital, phone calls	0.13 (0.39)	0.19 (0.63)
Absence from work, days	0.88 (3.06)	0.33 (1.66)

Table S5

Mean adjusted costs per treatment group

Category	Intervention (€)	95%CI (€)	Control (€)	95%CI (€)	Difference (€)	95%CI (€)
GP	29	15;42	27	16;37	2	-16;19
Hospital	171	137;219	311	199;420	-141	-241;31
Medication	346	284;410	297	252;335	50	-24;132
Production loss	312	141;453	129	25;209	183	14;365
RTMM costs	185		0			
Total costs						
Healthcare perspective	731	647;820	636	491;758	96	-55;271
Societal perspective	1043	813;1127	764	583;929	297	-13;437