

Table S1. Additional staffing required for running 24/7/365 MT services at a Swedish hospital with 300 MT procedures per year.

Staffing	Unit cost per year, median [10 th – 90 th percentile]	Units required (Full Time Equivalents)	Source
Anaesthesiologist	€138 617 [€109 568 - €175 506]	1	Swedish Medical Association.
Anaesthesiology nurse	€68 234 [€57 901 - €81 848]	2	Statistics Sweden.
Assisting AISI interventionalist (stroke neurologist)	€125 971 [€103 335 - €157 791]	3	Swedish Medical Association.
Neurointerventionalist, first operator	€137 288 [€106 616 - €172 390]	3	Swedish Medical Association.
Nurse, stroke coordinating	€67 490 [€54 456 - €63 641]	3	Statistics Sweden.
Radiographer	€58 393 [€47 895 - €72 171]	3	Statistics Sweden.
In total	€1 434 409 [€1 162 277 - €1 737 181]	1	NA

Table S2. Modelling outcomes in extended scenario (7 CSCs and 1,...,14 TSCs compared with no C-/TSCs, MT rate: 0.07, max. WTP: EUR 80 000).

Outcomes	Additional TSCs													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
n = 1 229														
C-/TSC density per 1 million inhabitants*	0.77	0.86	0.96	1.05	1.15	1.24	1.34	1.44	1.53	1.63	1.72	1.82	1.91	2.01
Patients with OTT _{MT} ≤ 360 minutes (%)	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
CVT (%)	2.2	2.1	2.1	1.4	1.4	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.2
IVT only (%)	2.7	1.6	1.4	1.1	1.1	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.2
MT only (%)	47.7	47.8	47.8	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9
IVT+MT (%)	47.3	48.5	48.7	49.0	49.0	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.7
Drip-and-Ship pathway (%)	29.9	29.1	27.2	24.6	23.5	22.4	21.1	19.6	18.3	16.9	16.0	15.7	14.7	14.1
QALYs gained, per year	697	701	713	723	731	737	743	747	752	756	760	761	764	767
Additional EMS transportation costs (m EUR) [†]	7.3	6.9	6.0	4.6	4.2	3.8	3.4	3.2	2.8	2.6	2.3	2.2	2.1	1.9
Additional CSC staffing costs (m EUR)**	8.6	10.0	11.4	12.8	14.2	15.6	17.1	18.5	20.0	21.4	22.8	24.3	25.7	27.1
Additional drug medical equipment costs (m EUR)**	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Additional 1 st and 2 nd year post-stroke costs (m EUR)**	-7.6	-7.6	-7.7	-7.9	-8.1	-8.2	-8.3	-8.4	-8.5	-8.6	-8.7	-8.7	-8.8	-8.8
Incremental cost, annual (m EUR)	11.2	12.2	12.7	12.6	13.5	14.3	15.3	16.4	17.3	18.4	19.5	20.8	22.1	23.3
Incremental NMB per patient (thousand EUR)	36.2	35.7	36.1	36.9	36.6	36.3	35.9	35.3	34.8	34.3	33.6	32.6	31.8	30.9

*for a population of 10 452 326 individuals (the Swedish population at the end of year 2021). **per year. [†]of 1 708 triage positive cases per year.