

Medium- and longer-term cardiovascular effects of e-cigarettes in adults making a stop-smoking attempt: a randomized controlled trial.

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Cost of Stop Smoking Intervention Delivered by Study / Stop Smoking Services and Resource Use Costs over 12 Weeks

Costing items for intervention	Cost Unit/Type			Nicotine Replacement Therapy
		Nicotine-containing e-cigarettes	Nicotine-free-cigarettes	
I. Stop Smoking Intervention (12 weeks):				
1. Pre- Quit: Total Number of sessions for each group		157	150	0
1a. Of which telephonic sessions		47	62	
2b. Of which Face to Face sessions		110	88	
2. Pre- Quit: Patient contact time of the Researcher (30 minutes)	£20 per hour	£1,570	£1,500	0
3. Pre- Quit: Room hire cost: Face to Face	£9 per hour	£495	£396	£729
4. Pre- Quit: Travel cost voucher per participant	£	0	0	0
5. Pre- Quit: Refreshment during session per participant	£	0	0	0
6. Post- Quit: Total Number of sessions for each group		219	215	0
6a. Of which telephonic sessions		79	84	
6b. Of which Face to Face sessions	£	140	131	
7. Post- Quit: Patient contact time of the Researcher (30 minutes)	£20 per hour	£2,190	£2,150	0
8. Post- Quit: Room hire cost: Face to Face (if Any)	£9 per hour	£630	£589.50	0
9. Post- Quit: Refreshment during session per participant	£	0	0	0
10. Stop Smoking Services Clinic Attendance	Number			342
10.1 Pre-quit Session cost (2 sessions, 45 minutes each)	£40 per hour			£4,860.00
10.2 Remaining follow-up sessions (30 minutes each)	£20 per session			£3,560.00
Total Cost of Behavioural Support Intervention	£	£4,885.00	£4,635.50	£9,149.00
II. Intervention Supplies (For 12 Weeks of Intervention)		84	82	82
1. E-cigarettes received	£24 per EC	£2,064.00	£1,968.00	
2. Adapters/chargers	£1.50 x 2 boxes	£258.00	£246.00	
3. Atomizers	£5 x 1	£430.00	£410.00	
4. Ice Menthol (1.8%)/ Tobacco (1.8%) bottles	£2.80 x 23	£5,538.40	0	
5. Ice Menthol (0%) / Tobacco (0%) bottle	£2.80 x 23	0	£5,280.80	
6. Any Replacement of above faulty kit (EC, Adapter, Atomizer & liquids)	£96.4 per kit	£289.20	£385.60	
Total Cost of Supplies		£8,579.60	£8,290.40	£0.00
7. NHS Net Prescription Kit Cost (borne for supplies to NRT person (£25-£9=£14) x 3 times	£9/£14	£9.00	£0.00	£3,444.00

8. Out-of-pocket purchases		£0.00	£15.50	£135.00
III. Total Cost of Stop Smoking Intervention Delivery		£13,473.60	£12,941.40	£12,728.00
IV.1. Health professionals (visits at least partially related to stop smoking attempt)				
GP-Doctor	£43.00	£301.00	£43.00	
GP-Nurse	£19.00	£0.00	£0.00	£95.00
Psychologist/Counsellor consultation	£48.50	£145.50	£0.00	£1,309.50
Cost to NHS		£446.50	£43.00	£1,404.50
IV.2. Travel & Other Costs				
Travel cost for clinic visits		£18.75	£28.15	£504.00
Other Expenses related to quit		£28.00	£140.28	£2,624.52
Amount Reimbursed by the Study (NRT)	£29.30/person	£0.00	£0.00	£2,401.82
Net OOP expenses		£46.75	£168.44	£726.70
IV.3. Diagnostic tests				
X-ray	£15.5	£15.50	£0.00	£0.00
Blood test	£6.5	£0.00	£0.00	£6.50
Cost to NHS		£15.50	£0.00	£6.50
IV.4. Medicine Out-of-Pocket Expenses				
Prescriptions payment	£9.0	£27.00	£0.00	£2,322.00
OOP expenses on non-prescription items		£2,165.00	£1,413.00	£559.00
IV.5. Other Costs				
Sick day cost due to stop smoking attempt	£99.2 per day			£99.20
V. Total Resource Use Cost		£2,700.75	£1,624.44	£7,519.72
VI. Total Cost of ntervention + Supplies + Resource Use		£16,174.35	£14,565.84	£20,247.72
VI.1. Cost borne by Research Study		£13,464.60	£12,925.90	£2,401.82
VI.2. Cost to Stop Smoking Services		£471.00	£43.00	£14,004.00
VI.3 Cost to Participants (OOP expenses excluding reimbursement)		£2,238.75	£1,596.94	£3,841.90
VII. Per Participant Cost:				
Total Cost		£192.55	£177.63	£246.92
Study Cost		£160.29	£163.62	£29.65
NHS/Stop Smoking Services Cost		£5.61	£0.54	£172.89
Participants' Cost		£26.65	£20.21	£47.43
Aggregated Total Cost per Participant		£208.97		

Incremental Cost-Effectiveness Ratios Nicotine-containing e-cigarettes vs Nicotine-free-cigarettes vs NRT

Cost/QALY per Participant	Nicotine-containing e-cigarettes (EC-NR)	Nicotine-free-cigarettes (EC-NF)	Nicotine replacement therapy (NRT)
1. Cost of Stop-smoking Intervention borne by study	£160.29	£163.62	£29.65
2. Stop Smoking Intervention + NHS Resource Use Cost	£5.61	£0.54	£172.89
3. Participants' Cost	£26.65	£20.21	£47.43
All Costs per Participant	£192.55	£184.38	£249.97
QALY- Baseline	0.8910	0.8840	0.9282
QALY- 3M	0.9118	0.9048	0.9531
QALY- 6M	0.9141	0.9103	0.9526
QALY Difference 3M over Base	0.0208	0.0208	0.0249
QALY Difference 6M over Base	0.0231	0.0263	0.0244
Incremental QALY Gain	EC-NR over EC-NF EC-NR over NRT	0.0124 EC-NF over NRT	-0.0915 -0.0791
Difference in Costs	EC-NR over EC-NF EC-NR over NRT	£8.17 EC-NF over NRT	(£57.42) (£65.59)
Incremental Cost-Effectiveness Ratio	EC-NR over EC-NF EC-NR over NRT	£659.86 E-NF over NRT	£627.55 £829.13