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The efficacy of e-cigarettes compared with nicotine replacement therapy, when used within the UK stop smoking service

Submission date 02/04/2015	**Recruitment status** No longer recruiting	[X] Prospectively registered [X] Protocol [X] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 07/04/2015	**Overall study status** Completed	
Last Edited 24/06/2025	**Condition category** Mental and Behavioural Disorders	

Plain English summary of protocol
http://www.cancerresearchuk.org/about-cancer/find-a-clinical-trial/a-trial-comparing-electronic-cigarettes-with-nicotine-replacement-therapy-to-stop-smoking-tec

Contact information

Type(s)
Public

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Additional identifiers

Protocol serial number
HTA 12/167/135

Study information

Scientific Title

A randomised controlled trial to examine the efficacy of e-cigarettes compared with nicotine replacement therapy, when used within the UK stop smoking service

Acronym
TEC (Trial of Electronic Cigarettes)

Study objectives
To determine the 12-month sustained biochemically validated abstinence rates in smokers using electronic cigarettes (EC) compared to smokers using standard nicotine replacement therapy (NRT).

More details can be found at http://www.nets.nihr.ac.uk/projects/hta/12167135

Ethics approval required
Old ethics approval format

Ethics approval(s)
NRES Committee London Camden & Islington, 14/LO/2235, 19/12/2014

Primary study design
Interventional

Study design
Multicentre pragmatic randomised controlled trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Smoking cessation

Interventions
Smokers who want help to quit smoking will be individually randomised to receive usual care (UC; a choice of NRT combined with usual care behavioural support provided by a Stop Smoking Service) or EC with the same behavioural support.

Intervention Type
Device

Phase
Not Applicable

Drug/device/biological/vaccine name(s)
Electronic cigarettes, nicotine replacement therapy

Primary outcome(s)
Carbon monoxide (CO) validated sustained abstinence rates at 52 weeks post–target quit date (TQD)

Key secondary outcome(s)

1. CO validated sustained abstinence rates at 4 and 24 weeks post–TQD
2. 7-day point prevalence abstinence at 4, 24 and 52 weeks
3. Smoking reduction in participants who did not achieve full abstinence
4. Treatment ratings
5. Adverse reactions
6. Cost-efficacy of the interventions

Completion date
31/03/2018

Eligibility

Key inclusion criteria
1. Aged 18 or over
2. Current smoker accessing the stop smoking service
3. Able to read/write/understand English

Participant type(s)
Other

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 Years

Sex
All

Total final enrolment
886

Key exclusion criteria
1. Pregnant or breastfeeding
2. Strong preference to use or not to use NRT or EC in their quit attempt
3. Enrolled in other interventional research
4. Currently using NRT or EC

Date of first enrolment
15/04/2015

Date of final enrolment
01/12/2016

Locations

Countries of recruitment

United Kingdom

England

Study participating centre
Queen Mary University of London
United Kingdom
E1 4NS

Study participating centre
Leicester Stop Smoking Service
United Kingdom
LE1 6TH

Study participating centre
East Sussex Stop Smoking Service
United Kingdom
TN38 9UH

Sponsor information

Organisation
Queen Mary University of London (QMUL)

ROR
https://ror.org/026zzn846

Funder(s)

Funder type
Government

Funder Name
Health Technology Assessment Programme

Alternative Name(s)
NIHR Health Technology Assessment Programme, Health Technology Assessment (HTA), HTA

Funding Body Type
Government organisation

Funding Body Subtype
National government

Location
United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan
Not provided at time of registration

IPD sharing plan summary
Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	14/02/2019		Yes	No
Results article	results	01/08/2019	23/08/2019	Yes	No
Results article	Costs effectiveness	04/12/2019	24/06/2025	Yes	No
HRA research summary			28/06/2023	No	No
Plain English results			25/02/2020	No	Yes
Protocol file	version 3.0	08/04/2015	18/08/2022	No	No
Statistical Analysis Plan	version 1.0	08/01/2018	18/08/2022	No	No