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Reducing antibiotic prescribing in respiratory illness

Submission date	Recruitment status	[X] Prospectively registered
16/03/2010	No longer recruiting	[X] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
17/03/2010	Completed	[X] Results
Last Edited	**Condition category**	[_] Individual participant data
24/02/2015	Respiratory	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

086921; UKCRN ID: 7412

Study information

Scientific Title
Cluster randomised trial in a Primary Care database: utilising electronic patient records for intervention research into reducing antibiotic prescribing in respiratory illness

Study objectives
To test the effectiveness of an electronic record-based intervention at achieving a reduction in antibiotic prescribing at consultations for respiratory illness between the ages of ages 18 and 59 years in intervention practices as compared with controls.

Ethics approval required
Old ethics approval format

Ethics approval(s)
London - Surrey Borders Research Ethics Committee, 21/12/2009, ref: 09/H0806/81

Study design
Interventional multicentre cluster randomised controlled trial

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
GP practice

Study type(s)
Other

Participant information sheet
Not available in web format, please use the contact details below to request a patient information sheet

Health condition(s) or problem(s) studied
Respiratory tract infection

Interventions
Electronic prompts have been developed based on recommended clinical practice guidelines to be activated during consultations for respiratory tract infection (RTI) in the selected age range. During consultations with patients presenting with symptoms of RTI, primary care professionals will see the prompts which remind them of recommended standards of care in RTI. The prompts will also provide them with supporting information and links to evidence that supports the recommendations. The decision on whether to follow the treatment suggestions included in the prompt, or whether to prescribe antibiotics, will be at the discretion of the GP. The GP will also be able to terminate display of the prompt at any time. As indicated above, the prompts will only

be activated during consultations by patients aged 18 to 59 years. There will be no intervention at control practices. The intervention phase will continue for 12 months at each practice.

Intervention Type
Other

Phase
Not Applicable

Primary outcome measure
Proportion of RTI consultations with antibiotics prescribed over 12 months

Secondary outcome measures
Measured at 12 months follow-up:
1. Age- and sex-specific rates of RTI consultation
2. Age- and sex-specific proportion of RTI consultations with antibiotics prescribed
3. Occurrence of RTI complications

Overall study start date
01/04/2010

Completion date
31/10/2011

Eligibility

Key inclusion criteria
1. Patients aged 18 - 59 years, either sex
2. Registered at the practice for at least 3 years at the trial start date
3. First diagnosis of stroke recorded in the 24-month period before the trial start date

Participant type(s)
Patient

Age group
Adult

Lower age limit
18 Years

Upper age limit
59 Years

Sex
Both

Target number of participants
50 GP practices per group (100 practices in total)

Key exclusion criteria

Younger than 18 years and over the age of 59 years

Date of first enrolment
01/04/2010

Date of final enrolment
31/10/2011

Locations

Countries of recruitment
England

United Kingdom

Study participating centre
Division of Health and Social Care Research
London
United Kingdom
SE1 3QD

Sponsor information

Organisation
The Wellcome Trust (UK)

Sponsor details
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Sponsor type
Charity

Website
http://www.wellcome.ac.uk/

ROR
https://ror.org/029chgv08

Funder(s)

Funder type
Charity

Funder Name
Wellcome Trust

Alternative Name(s)

Funding Body Type
Private sector organisation

Funding Body Subtype
International organizations

Location
United Kingdom

Results and Publications

Publication and dissemination plan
Not provided at time of registration

Intention to publish date

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Protocol article	protocol	10/05/2011		Yes	No
Results article	results	11/06/2014		Yes	No
Other publications	process evaluation	03/12/2014		Yes	No