

Does the Tips by Text programme, a text-message curriculum for parents of children in reception, improve children's literacy, language, numeracy and socio-emotional skills?

Submission date 31/01/2020	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 30/04/2020	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 19/08/2022	Condition category Other	<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Background and study aims

Tips by Text is a text message curriculum for parents which aims to improve young children's literacy, language, numeracy and socio-emotional skills. The text messages are designed to provide parents with information and strategies to help their children's development outside of the school environment.

Existing studies of similar interventions outside of the UK have shown positive impacts for preschool children. Indeed, the Tips by Text project is inspired by research in the US which has shown positive impacts of a texting programme on children's literacy outcomes. For this study, the texting programme has been adapted to the UK context by the Behavioural Insights Team. In this study, we aim to test the impact of the Tips by Text programme using a randomised controlled trial (RCT). This means that some parents will receive the programme and some will not, and this will be decided using random selection. We will examine whether the programme has a positive impact on children's literacy skills, as well as on their communication and language, numeracy, and socio-emotional outcomes.

Who can participate?

State-funded primary schools in the North-East of England are eligible to participate. Parents of children in reception year in the recruited schools are then eligible to be part of the study. Tips by Text will be evaluated with around 2,700 children in Reception year (4-5 year olds) and their parents. We will recruit around 105 (and a maximum of 125) schools from the North- East of England to participate in the trial. Larger schools and those with higher intakes of free school meals pupils will be prioritised in the recruitment.

What does the study involve?

Parents randomised to receive the programme will receive 3 text messages per week over an approximately 9-month period. Parents not randomised to receive the programme will not receive the texts.

Three types of messages are sent. The three types of messages are: "FACT" texts, designed to

inform and motivate parents by highlighting the importance of a particular skill or set of skills, "TIP" texts, designed to include short, simple, and highly-specific activities for parents to do with their children that build on existing family routines and "GROWTH" texts, which provide encouragement, reinforcement, and extend the TIP texts.

All children in the study will be asked to complete a short literacy assessment at the beginning and end of their reception year. These will be used to compare literacy outcomes for children whose parents have and have not received the programme.

Impacts on language, numeracy and socio-emotional development will also be considered, using children's results from the Early Years Foundation Stage Profile (which provides an assessment of children's development across a range of areas at the end of reception year) and from a standard questionnaire used to evaluate children's socio-emotional development.

What are the possible benefits and risks of participating?

No risks associated with participating are foreseen. Parents can withdraw themselves and/or their child from the study at any time.

Where is the study run from?

The evaluation is being carried out jointly by the National Institute of Economic and Social Research (UK) and the Institute for Employment Studies (UK). The Tips by Text programme is designed and delivered by the Behavioural Insights Team.

When is the study starting and how long is it expected to run for?

The study began in November 2018 and is expected to complete in Summer 2021.

Who is funding the study?

The Education Endowment Foundation (UK)

Who is the main contact?

Ms Lucy Stokes

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Study website

<https://educationendowmentfoundation.org.uk/projects-and-evaluation/projects/tipsbytext/>

Contact information

Type(s)

Public

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Additional identifiers

EudraCT/CTIS number

Nil known

IRAS number

ClinicalTrials.gov number

Nil known

Secondary identifying numbers

Nil known

Study information

Scientific Title

A randomised trial of whether the Tips by Text programme, a text-message curriculum for parents of children in reception year, improves children's literacy, language, numeracy and socio-emotional skills

Acronym

Tips by Text

Study objectives

1. Does the Tips by Text intervention improve Reception children's literacy outcomes?
- 2.1. Does the Tips by Text intervention improve Reception children's numeracy outcomes?
- 2.2. Does the Tips by Text intervention improve Reception children's language and communication outcomes?
- 2.3. Does the Tips by Text intervention improve Reception children's social development skills?
- 2.4. Does the Tips by Text intervention improve literacy outcomes differentially for children eligible for Free School Meals (FSM)?
- 2.5. Does the Tips by Text intervention improve literacy outcomes differentially for children with low and high baseline attainment?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 19/02/2019, the Research Ethics Committee of the National Institute of Economic and Social Research (NIESR) (2 Dean Trench Street, Smith Square, London SW1P 3HE; +44 (0)20 7222 7665; j.kirkland@niesr.ac.uk)

Study design

Two-arm multi-centre randomized controlled trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Home

Study type(s)

Quality of life

Participant information sheet

Not available in web format, please use contact details to request a participant information sheet

Health condition(s) or problem(s) studied

Home learning environment, education, children's literacy, language, numeracy and socio-emotional skills

Interventions

Eligible schools are state-funded schools based in the North-East of England. Those schools with more than one Reception class and with larger numbers of free school meals pupils will be prioritised in recruitment. Parents of all reception class pupils will be eligible for the Tips by Text intervention.

The Tips by Text intervention is a text-message curriculum for parents of children in reception year.

Randomization takes place at the parent level. In schools recruited to the trial, randomization will take place within all reception classes, so that half of the parents in each class will be assigned to the treatment arm, and thus receive the intervention, while the other half will be assigned to the control arm, who will not receive the intervention.

The text messages will be sent to parents over an approximately nine-month period, with 3 texts sent per week. These text messages are sent to parents by the delivery team (the Behavioural Insights Team).

Baseline pre-testing for the primary outcome measure took place in September-October 2019 and the same tests will be repeated at the end of reception year in June-July 2020. The assessments include:

1. The York Assessment of Reading for Comprehension (YARC). The version of the YARC suitable for 4 to 7 year olds is called Early Reading and covers four dimensions: sound isolation, sound deletion, letter-sound knowledge, and early word recognition. To reduce testing time and burden on the school, only the former two measures will be used as a pre-test as they are considered the most sensitive and more appropriate for the younger age of the children and then all four dimensions will be used at post-test.

The following measures are used at end reception year (post-test) only:

2. Children's achievement on the Early Years Foundation Stage Profile (EYFSP) to assess

communication and language, and numeracy. We will also conduct an exploratory analysis of children's literacy and personal and social development outcomes as measured by the EYFSP 3. Social-behavioral development as assessed by the Strengths and Difficulties Questionnaire

Parents participating in the study will be asked to complete an online survey, mainly with the aim of asking about their experiences of the intervention. A small sample of parents will also be invited to participate in telephone interviews, to enable more in-depth exploration of their experiences, any barriers or facilitators, and perceived outcomes.

Intervention Type

Other

Primary outcome measure

Literacy as measured by the York Assessment of Reading for Comprehension (YARC) at baseline and after 9 months.

Secondary outcome measures

1. Communication and language, and numeracy measured by children's achievement on the Early Years Foundation Stage Profile (EYFSP) after 9 months
2. Social-behavioral development as assessed by the Strengths and Difficulties Questionnaire after 9 months
3. We will also conduct an exploratory analysis of children's literacy and personal and social development outcomes as measured by the EYFSP after 9 months

Overall study start date

01/11/2018

Completion date

27/02/2021

Eligibility

Key inclusion criteria

Parent of a pupil in the Reception year group of an eligible state-funded school based in the North-East of England

Participant type(s)

Healthy volunteer

Age group

Mixed

Sex

Both

Target number of participants

The recruitment target was 105 schools; estimated to be equivalent to approximately 2,730 pupils

Total final enrolment

3662

Key exclusion criteria

1. Unable to access the Tips by Text intervention on a mobile phone
2. Informed consent not given

Date of first enrolment

01/02/2019

Date of final enrolment

29/10/2019

Locations**Countries of recruitment**

England

United Kingdom

Study participating centre**Behavioural Insights Team**

4 Matthew Parker Street

London

United Kingdom

SW1H 9NP

Study participating centre**National Institute of Economic and Social Research**

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Smith Square

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Study participating centre**Institute for Employment Studies**

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Sponsor information

Organisation

Education Endowment Foundation

Sponsor details

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Sponsor type

Charity

Website

<https://educationendowmentfoundation.org.uk/>

ROR

<https://ror.org/03bhd6288>

Funder(s)**Funder type**

Charity

Funder Name

Education Endowment Foundation

Alternative Name(s)

EducEndowFoundn, Education Endowment Foundation | London, EEF

Funding Body Type

Private sector organisation

Funding Body Subtype

Trusts, charities, foundations (both public and private)

Location

United Kingdom

Results and Publications

Publication and dissemination plan

The protocol for the trial is available at: <https://educationendowmentfoundation.org.uk/projects-and-evaluation/projects/tipsbytext/>

A statistical analysis plan will also be published on the same site in 2020.

The final report presenting the trial results will be made available in a publicly available report on the website of the Education Endowment Foundation; we anticipate this will be published in Summer 2021.

Intention to publish date

01/02/2022

Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed in this study will be stored in a non-publicly available repository; the Education Endowment Foundation (EEF) Data Archive, which is managed by the Fischer Family Trust (FFT). Further details are available here:

https://educationendowmentfoundation.org.uk/public/files/Evaluation/Submitting_your_data_to_the_FFT_archive/Archiving_EEF_project_data.pdf

These data will be submitted to the archive by the evaluation team within three months of project completion. The dataset will be at individual level (i.e. one row per pupil), including information on the treatment they receive and the outcomes of testing (at baseline and follow-up). The data will be archived for an indefinite period for archiving, historical or scientific research purposes, with access criteria determined by the EEF and FFT. The legal basis for processing data is legitimate interests, with individuals able to express objections to data processing. Data will be available in a pseudo-anonymised format so that future analysis incorporating data from the National Pupil Database (NPD) could be facilitated.

IPD sharing plan summary

Stored in repository

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Protocol file	version v1.1	03/11/2020	10/02/2021	No	No
Funder report results		29/04/2022	19/08/2022	No	No