A mixed-methods process evaluation of SafeTea: A multimedia campaign to prevent hot drink scalds in young children and promote burn first aid

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Contributorship statement: LEC extracted the website usage data from Google Analytics, analysed the survey data and social media comments, integrated all of the results using data triangulation, contributed to the interpretation and discussion of the findings, produced all of the tables and figures, drafted the initial manuscript, and revised the manuscript. CVB made substantial contributions to the conceptualisation and design of the study and the design and development of the SafeTea campaign, and revised the manuscript. IB managed the social media accounts, conducted an evaluation of the social media data and extracted the key social media metrics, contributed to the interpretation and discussion of the findings, and revised the manuscript. AE and AMK conceptualised the study, contributed to the design of the study and the design and development of the SafeTea campaign, contributed to the interpretation and discussion of the findings, and revised the manuscript. All authors approved the final manuscript.

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ABSTRACT

Objectives: SafeTea is a multifaceted intervention delivered by community practitioners to prevent hot drink scalds to young children and improve parents’ knowledge of appropriate burn first aid. We adapted SafeTea for a national multimedia campaign, and present a mixed-methods process evaluation of the campaign.

Methods: We used social media, a website hosting downloadable materials, and media publicity to disseminate key messages to parents/caregivers of young children and professionals working with these families across the UK. The SafeTea campaign was launched on National Burns Awareness Day (NBAD), October 2019, and ran for three months. Process evaluation measurements included social media metrics, Google Analytics, and quantitative and qualitative results from a survey of professionals who requested hard copies of the materials via the website.

Results: Findings were summarised under four themes: “reach”, “engagement”, “acceptability”, and “impact/behaviour change”. The launch on NBAD generated widespread publicity. The campaign reached a greater number of the target audience than anticipated, with over 400,000 views of the SafeTea educational videos. Parents and professionals engaged with SafeTea and expressed positive opinions of the campaign and materials. SafeTea encouraged parents to consider how to change their behaviours to minimise the risks associated with hot drinks. Reach and engagement steadily declined after the first month due to reduced publicity and social media promotion.

Conclusion: The SafeTea campaign was successful in terms of reach and engagement. The launch on NBAD was essential for generating media interest. Future campaigns could be shorter, with more funding for additional social media content and promotion.

Keywords: Paediatric burns, multimedia campaign, burn first aid, burns prevention
What is already known on this subject?

- Scalds from hot drinks are the leading cause of burns in children less than 5 years old and parents lack knowledge of appropriate first aid for burns.
- SafeTea is a multifaceted intervention that aims to prevent hot drink scalds to young children and improve parents’ knowledge of appropriate burn first aid.
- The delivery of SafeTea by community practitioners is feasible and the intervention materials and teaching methods are acceptable to both parents and practitioners.

What this study adds

- SafeTea was adapted for a national integrated multimedia campaign that was launched on National Burns Awareness Day 2019 and ran for three months.
- This mixed-methods process evaluation using data from multiple sources showed that the SafeTea campaign was successful with a good reach, and that parents and professionals were engaged with the campaign and had high opinions of the campaign and materials.
- The launch on National Burns Awareness Day was critical for optimising publicity. However, a future campaign could run for a shorter period of time using additional social media content, more frequent posting, and more funding for social media coordination and promotion.
INTRODUCTION

Scalds from hot drinks are a major paediatric public health concern.[1-3] Hot drinks account for 55% of scald injuries in children less than five years old,[1] resulting in an estimated 30 children per day in the United Kingdom (UK) attending hospital for treatment.[4] The commonest mechanism is a pull-down injury, whereby a child reaches up and pulls a hot drink down over themselves.[1] These injuries may cause permanent scarring and long-term psychosocial and mental health difficulties,[5, 6] yet they are entirely preventable.

Whilst primary prevention is the priority, immediate appropriate first aid administered by a caregiver can mitigate the devastating effects of scald injuries and improve clinical outcomes by facilitating healing and reducing injury severity and the extent of treatment required.[7] Evidence-based burn first aid is simple: COOL the burn with cool running water for 20 minutes, CALL for medical assistance or advice and COVER the burn with cling film.[8, 9] Nevertheless, only 25–28% of children with a burn receive optimal first aid before they present to the emergency department.[8, 10] Parents have limited knowledge of the appropriate first aid treatment for burns,[11-13] online information regarding burn first aid is inconsistent and inaccurate,[14, 15] and inappropriate or harmful home remedies are often used.[8, 12]

There are few interventions aiming to prevent hot drink scalds in children,[16-18] and limited research into effective burn first aid education for caregivers, although there is evidence that educational interventions may improve caregivers’ knowledge of appropriate burn first aid, at least in the short-term.[19] ‘SafeTea’ is a community-based, multifaceted intervention designed for delivery by early-years practitioners.[20] SafeTea utilises a variety of bespoke materials and teaching activities to disseminate consistent key prevention and first aid messages in a range of environments (homes, parenting groups and childcare settings).[20] SafeTea has been demonstrated to be feasible in a small-scale community setting.[20] The bespoke materials and teaching activities were acceptable to
parents and community practitioners, improved parents’ knowledge of the risk factors for hot drink scalds and appropriate burn first aid, and demonstrated potential to change caregivers behaviours with regards to hot drink scalds prevention and burn first aid.[20]

SafeTea was developed into a national integrated multimedia campaign, using social media, a dedicated website (www.safetea.org.uk) hosting information and free downloadable materials, digital advertising, targeted promotion to professionals working with parents of young children, and national and local television, radio, and press publicity. The SafeTea intervention materials were modified where necessary according to feedback from the feasibility study,[20] reproduced with new branding, and adapted for online delivery. The multimedia approach was chosen to disseminate the SafeTea key messages to as many caregivers of young children as possible, and to encourage professionals to deliver the intervention and promote SafeTea messages in their own settings. Online delivery enabled data collection for a process evaluation to understand not only whether the campaign was successful, but how and why it was successful.[21, 22] Google Analytics and social media metrics have been established as useful process evaluation measurements for online health promotion campaigns.[23, 24]

This paper describes the design and development of the SafeTea campaign and reports a mixed-methods process evaluation of the campaign, to: 1) measure the reach of the campaign 2) evaluate parents and professionals engagement with SafeTea and determine which components generated the most engagement 3) evaluate the acceptability of SafeTea to parents and professionals 4) assess the impact of SafeTea on parents knowledge and behaviours with regards to hot drink scalds prevention and burn first aid 5) pinpoint strengths and weaknesses in the campaign strategy and implementation to identify areas for improvement.

METHODS

Design and development of the SafeTea multimedia campaign
SafeTea had five key messages (Box 1) and was targeted at parents/caregivers of children aged < 5 years, and community practitioners (e.g. parent group staff, health visitors) working with these parents/caregivers. The logic model for the SafeTea campaign is shown in Figure 1. The intervention is based upon behaviour change theories including the health belief model,[25] protective motivation,[26] and social cognitive theory,[27] and aims to modify caregiver’s beliefs about the risks and severity of hot drink scalds, and their self-efficacy for preventing them and mitigating their severity using appropriate first aid.

**Box 1. The five key SafeTea messages**

- Keep hot drinks out of reach of young children
- Never pass a hot drink over the heads of children
- Never hold a baby and a hot drink at the same time
- Create a SafeTea area at home where hot drinks are made and drink them safely away from children
- Burn First Aid: Cool, Call, Cover

A steering group of researchers, national injury prevention charities, and public health organisations informed the development and implementation of the campaign (Figure 2). These collaborating partners were invited to support, inform and promote the campaign as they shared an interest in burns prevention and first aid. They came on board to boost the profile of SafeTea and help to increase reach and engagement. The steering group attended monthly meetings, and members suggested materials and dissemination methods, promoted SafeTea via their existing social media profiles, contacts and networks, shared their experiences of promoting campaigns, and shared their own resources. In addition, charities and organisations signed up as Ambassadors and promoted SafeTea messages in blogs, e-news and via Twitter. Raw Marketing ([www.raw-marketing.co.uk](http://www.raw-marketing.co.uk)) designed the marketing strategy and SafeTea branding and collaborated with the Children’s Burns Trust to coordinate the launch on NBAD.
SafeTea social media accounts were established on Facebook, Instagram, and Twitter. These platforms were selected due to their popularity with the target audience. One author managed the social media accounts part-time from September 2019–January 2020. She finalised and scheduled the social media posts using the Hootsuite social media management tool, and responded to comments. There were 3–4 social media posts per day in October, and 1–2 from November onwards. Posts were designed to deliver the key messages and to guide social media users to the dedicated website www.safetea.org.uk, where they could find custom-made educational videos and cut-downs, and free downloadable materials in English: posters, flyers, magnets, reach charts, activity sheets, and digital logos and banners (online supplementary Appendix 1). All printed materials used in the campaign had been tested in the feasibility study. Some were modified according to feedback, for example the first aid magnet was made larger and the prevention message was added, and additional posters were created with a range of different images. All materials were professionally reproduced by a graphic designer, with new branding (a new SafeTea logo, colour scheme, and standardised graphics). The branding was part of the marketing strategy designed by Raw Marketing to create an effective online presence and in turn maximise reach on social media. Finally, the materials were adapted so that they could be downloaded and printed from the SafeTea website. Free resource packs of printed materials were available for professionals to request via the website, to facilitate intervention delivery in their own settings. The custom-made videos were produced in collaboration with a professional film company, and featured an adult discussing their life experiences after sustaining a scald in childhood, and an emergency department doctor discussing appropriate burn first aid.

Digital advertising during the SafeTea campaign included two months of paid posts on Facebook designed to reach a minimum of 5,500 UK parents per day, and one month of paid adverts on Mumsnet (www.mumsnet.com) designed to target mums with young children. Targeted promotion via blogs, online articles, newsletters, bulletins and conference presentations was used to brief
professional groups (e.g. health visitors, childminders, paediatricians) working with families about the campaign and materials, and encourage them to deliver the intervention to parents in their own settings (online supplementary Appendix 2). The SafeTea campaign was launched on NBAD, 16th October 2019, with coordinated and widely circulated public relations press releases, and ran for three months. Two volunteers recruited through the Children’s Burns Trust publicized their personal stories which were used as ‘case studies’ to attract media interest. These included a story from a mother about her toddler who was scalded by hot coffee, and a story from a young father who sustained a serious scald injury in childhood.

Several cafés signed up via the website to promote the campaign. A number of National Childbirth Trust (NCT) baby cafés were contacted and asked to support the campaign, however no responses were received. Consideration was given to advertising SafeTea in GP surgeries, however this method was too costly.

Figure 2 illustrates the relationships between the campaign components and Figure 3 details activities undertaken during the design and development of SafeTea.

**Process evaluation measurements**

The evaluation was informed by the Medical Research Council guidance for process evaluations of complex interventions,[21] and the intervention mapping framework,[30] which recommend that the evaluation design, data collection, and analysis are based on the underlying theory of how an intervention works. The evaluation strategy was therefore underpinned by the inputs, processes and assumptions detailed in the logic model (Figure 1).

The process evaluation used a mixed-methods approach consisting of five components: 1) an appraisal of the publicity generated by the launch on NBAD 2) the metrics of reach, impressions, and engagement from the SafeTea social media accounts and Mumsnet 3) the analytics from the website
usage 4) quantitative and qualitative analysis of an online survey of professionals who requested free resource packs via the website 5) qualitative analysis of social media users comments on the campaign. Website and social media data were collected for the period October 2019 – January 2020, from Google Analytics, Twitter Analytics, and Facebook Insights.

Reach on Facebook and potential reach on Twitter was defined as the total number of people who saw (or potentially saw) any SafeTea content. Impressions on Twitter were the total number of times any SafeTea content was seen. Engagement on social media referred to any interaction with a social media account or page, and was measured using metrics such as likes, follows, reactions, retweets, comments and shares. Engagement rate on Twitter was calculated by dividing engagement (likes, retweets etc.) by the total number of impressions during the 3 month campaign period.

The survey was created using ‘Online surveys’ (www.onlinesurveys.ac.uk). When requesting free resource packs via the SafeTea website, professionals were required to indicate whether they would complete an anonymous online survey (online supplementary Appendix 3). The survey link was emailed to those who consented, in February 2020, to evaluate the use and impact of the SafeTea materials, and to assess the professionals’ opinions of the campaign and materials. The survey remained live for one month before it was closed, during which, two reminder emails were sent to encourage responses.

**Analysis**

A triangulation approach was used to integrate the results from the five data sources, to provide a comprehensive overview of the findings and enhance confidence in the conclusions.[31, 32] One author (IB) conducted a comprehensive social media evaluation and extracted the key social media metrics. The lead author (LEC) extracted the SafeTea website usage statistics using Google Analytics, analysed the quantitative survey data, and undertook a qualitative analysis of survey respondents’ and social media users’ free-text comments using thematic analysis.[33] The lead author then
categorised and summarised the data from the different sources according to themes corresponding to the evaluation goals. Thematic analysis of the qualitative data entailed grouping codes into categories, and arranging categories under the *a priori* overarching evaluation themes. Findings were discussed at research team meetings and any disagreements regarding data interpretation were resolved by consensus. An analytic framework was developed; categories and their definitions are detailed in the framework (Table 1). Qualitative data were summarised using indicative quotations (Table 2). Quantitative data were summarised using counts, frequencies and proportions.

**Ethical considerations**

The evaluation study was approved by the Cardiff University Research Ethics Committee on 23rd July 2019 (reference number 19/61). Personal information was used in accordance with the General Data Protection Regulation (GDPR) 2018.

**Table 1. Analytic framework for the qualitative analysis of survey respondents’ and social media users’ comments on the SafeTea campaign and materials.**

<table>
<thead>
<tr>
<th>Theme</th>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reach</td>
<td>Professionals proactivity in spreading the SafeTea messages</td>
<td>Any comments by professionals about how they used the SafeTea materials to deliver the intervention in their own settings and spread the SafeTea messages to their colleagues and to parents/caregivers of young children. Any comments on social media promoting the campaign or encouraging others to interact with (e.g. share) SafeTea posts.</td>
</tr>
<tr>
<td></td>
<td>Longevity of the SafeTea campaign</td>
<td>Any comments by professionals regarding the continued use of the SafeTea materials after the end of the three-month campaign.</td>
</tr>
<tr>
<td></td>
<td>Professionals use of initiative in spreading the SafeTea messages</td>
<td>Any remarks by professionals about actions they have taken in order to continue using the materials to deliver the intervention and spread the SafeTea messages in their own settings.</td>
</tr>
<tr>
<td>Engagement</td>
<td>Parent’s and children’s engagement with the SafeTea intervention</td>
<td>Any comments regarding parent’s and children’s interest in taking part in interactive demonstrations or engaging with the printed materials.</td>
</tr>
<tr>
<td>Components of the SafeTea intervention (printed materials, activities, videos) that parents and professionals were most engaged with</td>
<td>Any comments about which of the SafeTea materials or components of the intervention that professionals and parents/caregivers were most engaged with and why. Any remarks by professionals regarding the practicality of delivering the SafeTea intervention to parents/caregivers in their own settings.</td>
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<td></td>
</tr>
<tr>
<td><strong>Acceptability</strong></td>
<td>Parents and professionals opinions of the SafeTea campaign and materials</td>
<td>Any comments regarding parents and professionals opinions (positive or negative) of the SafeTea campaign or materials.</td>
</tr>
<tr>
<td>Clarity and comprehensibility of content in SafeTea materials</td>
<td>Any remarks about the clarity of the information and messages conveyed in the SafeTea materials and how easy the SafeTea materials are to understand.</td>
<td></td>
</tr>
<tr>
<td>Use of SafeTea materials for facilitating communication between professionals and parents</td>
<td>Any comments about the role of the SafeTea campaign in helping professionals to convey key burns prevention and first aid messages to parents/caregivers of young children.</td>
<td></td>
</tr>
<tr>
<td>Suggestions for improvement</td>
<td>Any comments about the ways in which the SafeTea campaign could be improved.</td>
<td></td>
</tr>
<tr>
<td><strong>Impact/Behaviour Change</strong></td>
<td>Awareness/education of the risk of scalds to young children from hot drinks and of appropriate burn first aid</td>
<td>Any remarks about whether the SafeTea campaign has raised parents’ awareness of the risk of hot drink scalds to young children or succeeded in educating parents about the risks, and about appropriate burn first aid.</td>
</tr>
<tr>
<td>Knowledge of correct burn first aid practices</td>
<td>Any remarks about whether the SafeTea campaign has affected parents’ knowledge of the correct burn first aid to administer in the event of a burn.</td>
<td></td>
</tr>
<tr>
<td>Responses to the SafeTea materials and messages</td>
<td>Any comments regarding parents’ reactions to the SafeTea materials, or about how the SafeTea campaign has affected parents and professionals behaviour with hot drinks around children.</td>
<td></td>
</tr>
</tbody>
</table>

**RESULTS**

**Reach of the SafeTea campaign**

The SafeTea launch on NBAD reached 50,000 people on Facebook and attracted widespread publicity via media coverage on national and local radio and television news channels, in newspapers, the online press, articles and blogs, magazines, and health/injury prevention newsletters and bulletins.
SafeTea reached an average of 9,500 UK parents daily on Facebook (84% were women mostly 25 to 44 years-old), more than the 5,500 anticipated (Figure 4), however reach and impression rates steadily decreased after NBAD. Videos were viewed over 400,000 times. The Mumsnet adverts appeared on 27,781 visitors’ screens. Social media users and website visitors originated from across the UK; most website visitors were from London (11%), Cardiff (8%) and Bristol (3%).

SafeTea resource packs (577) were requested by 472 professionals, and sent out by post. Of these 472 professionals, 405 (86%) consented to receiving the survey, and 163 (40%) completed it.

Professionals were predominantly childminders, health visitors and nursery staff (online supplementary Appendix 5) and were proactive in sharing the SafeTea materials with parents and colleagues and spreading the SafeTea messages (Table 2). One paediatrician stated: “I used the resources myself in a toddler group and I emailed the link to the SafeTea website to all health visitors, paediatric consultants and juniors in the Health Board”.

Of the 93% (151/163) who used the materials with parents, most estimated that they reached between one and ten parents, however 10% (15/151) reached more than 100 parents. Many professionals reported that they continued to display the materials around their workplaces and use them in educational sessions, thereby increasing the longevity of the campaign. Organisations used their own initiative to continue using and distributing the materials, e.g. by securing funding to print materials.

**Engagement with the SafeTea campaign**

Facebook and Twitter users and website visitors engaged well with the campaign (Figure 4). Engagement on Instagram was poor from the outset and was deemed unviable for the campaign and abandoned after three weeks. There were regular peaks of Facebook followers throughout the campaign, with few unfollows. Many parents shared personal stories of children’s burns.
Engagement rates on Twitter were high initially (1.60% in October), but steadily decreased to 0.70% in November, and 0.40% in December and January; the average engagement rate across the campaign was 0.78%. Although not definitive, a Twitter engagement rate between 0.09% and 0.33% is considered to be high, and the median engagement rate across every industry is 0.045%.[34]

On Mumsnet, two SafeTea adverts received higher engagement than any other advert on Mumsnet at the time. The components of the social media campaign that generated the most engagement were: the launch on NBAD; stories posted by parents; posts accompanied by images and videos; and factual posts with an emotive angle. Posts consisting of mainly statistics e.g. “30 babies and toddlers go to the hospital with a hot drink burn every day”, generated comparatively less engagement and page views. Most website visits (62%) originated from social media and 97% of these originated from Facebook. Most users accessed the website via their mobile (57%) and visited the resources pages (> 24,000 page views).

Professionals mainly reported using the materials directly with families. Posters were used by 95% of professionals; flyers by 93%; magnets by 86%; reach charts by 69%; activity sheets by 54%; and videos by 24%. Professionals felt that parents and children engaged with the posters, magnets and reach charts and that they were interested in improving their knowledge around burns prevention and first aid (Table 2). As one health visitor remarked: “The posters have quickly caught parents’ attention when in clinic and at groups”. Another observed: “Parents were very interested in developing their knowledge”. However, some professionals commented that they did not have time to deliver interactive demonstrations or discuss the information in the flyers with parents. Whilst the SafeTea videos were perceived as a potentially powerful teaching resource, professionals reported lack of technology as a barrier to sharing them.

**Acceptability of the SafeTea campaign and materials**
SafeTea users’ opinions of the campaign and materials were extremely positive (Table 2). One Facebook user commented: “SafeTea are doing great work on prevention and first aid awareness of burns in young children”. There were surprisingly few negative comments on social media. Two parents on Facebook expressed the view that the prevention advice was obvious, while another questioned the accuracy of the first aid advice, which encouraged debate and eventually clarification from a burns surgeon. Professionals praised the materials’ visual appeal, clarity and ease of understanding. Over 87% of professionals rated the materials as “excellent” or “good” and over 97% felt they were “definitely” or “probably” easily understood by parents. Some professionals suggested producing resources in additional languages, and many wanted more hard copies of the leaflets and magnets to distribute.

Impact/Behavior Change

The professionals who completed the survey reported increased awareness of the dangers of hot drinks and the benefits of appropriate first aid amongst parents and believed that the campaign improved children’s and parents’ knowledge of correct first aid for burns (Table 2). One nursery employee remarked: “I feel that all parents, professionals and adults entering the building now have a better awareness”. Another stated: “Many parents were not aware of how long they should cool the burn for and that they should use cling film to cover the burn”. Increased awareness and knowledge was partially attributed to the fact that materials on display act as a constant reminder, thereby facilitating information retention.

Professionals noted that the materials invoked strong reactions in some parents, and that many were surprised to see how high their child could reach. Professionals felt that the posters and reach charts were particularly useful resources for encouraging parents to think about the risks associated with hot drinks. One childminder remarked: “I think the reach chart helped to make a few parents realise what children could do and stopped them leaving hot drinks in silly places”. The campaign led
to parents and professionals discussing how to change their behaviours to minimise risk (Table 2).

One children’s centre employee commented: “I spoke to parents about SafeTea and this made us make a decision not to have tea in our setting when children are present”. One baby and toddler group leader was sceptical of the ability of SafeTea to change parents’ behaviours with hot drinks.

Table 2. Selected quotes from the qualitative analysis of survey respondents and social media users comments on the SafeTea campaign and materials.

<table>
<thead>
<tr>
<th>Reach of the SafeTea campaign</th>
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<tbody>
<tr>
<td>Professionals proactivity in spreading the SafeTea messages</td>
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</table>
| I'm a childminder and mum. This was very well designed and I was able to give parents a magnet each to help them remember the action plan for burns. I also shared the website link with fellow childminders. **Respondent 73, Childminder**  
I used the resources myself in a toddler group and I emailed the link to the SafeTea website to all health visitors, paediatric consultants and juniors in the health board. **Respondent 85, Paediatric Specialist** |  |
| **We shared it on our social media group page and sign-posted parents to the website for further information, this allowed them to share it on with their friends and families. Respondent 162, Nursery Employee**  
I gave one of the leaflets to a Soft Play that I go to and they requested their own pack and have the poster, flyer and magnet on display. **Respondent 71, Childminder**  
If you are a parent, work with children or interested in #BurnsPrevention! Follow @SafeTeaCampaign and check out [https://safetea.org.uk](https://safetea.org.uk) for some really useful information & resources on how to prevent hot drinks burns to kids. **Twitter User** |  |
| Longevity of the SafeTea campaign |  |
| We have kept the poster up to keep reminding parents to keep their hot drinks away from the toddlers. **Respondent 27, Baby and Toddler Group Leader**  
I laminated the poster and still display it on my courses. **Respondent 81, Training Provider** |  |
| Professionals use of initiative in spreading the SafeTea messages |  |
| We photocopied the flyers and made them available for parents to bring home to read and share. **Respondent 86, Children’s Centre Employee**  
We have secured funding to get the reach charts printed locally and to use as a resource across our Trust area. **Respondent 125, Community Health Improvement Officer** |  |
| Engagement with the SafeTea campaign |  |
| Parents and children’s engagement with the SafeTea campaign |  |
| I stuck the reach chart on the wall, each child measured how tall they are, and then on tip toes how high they could reach. It’s still there now, the children regularly see if they can beat their record and pretend to burn their fingers and become doctors, it’s a brilliant role play starter. **Respondent 55, Childminder**  
The children were very interested in the poster and even those who can’t yet read were working out what it was all about, before I explained. **Respondent 38, Childminder**  
Parents were very interested in developing their knowledge. **Respondent 134, Health Visitor** |  |
| Components of the SafeTea intervention (printed materials, activities, videos) that parents and professionals were most engaged with |  |
The layout/text and colours made the poster attractive to read and attracted attention. **Respondent 151, Burns Unit Employee**
The posters have quickly caught parents’ attention when in clinic and at groups. **Respondent 152, Health Visitor**
I absolutely love the magnets, they are visual, clear, concise, and easy to read. **Respondent 146, Support Worker**
Great film, really brings home the dangers of burns. **Facebook User comment on prevention video**
Flyers are a good idea but we are reliant on parents reading, understanding and remembering the information. **Respondent 11, Youth Welfare Officer**
Unfortunately I didn’t have time to incorporate the activities into my existing teaching, however it’s something I will hold onto and possibly use in the future. **Respondent 66, First Aid Instructor**

<table>
<thead>
<tr>
<th>Acceptability of the SafeTea campaign and materials</th>
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</thead>
<tbody>
<tr>
<td>Parents and professionals opinions of the SafeTea campaign and materials</td>
</tr>
<tr>
<td>I think the concept and the materials provided are really good. <strong>Respondent 3, First Aid Instructor</strong></td>
</tr>
<tr>
<td>This was a good campaign that had sensible information. <strong>Respondent 145, Childminder</strong></td>
</tr>
<tr>
<td>SafeTea are doing great work on prevention and first aid awareness of burns in young children.</td>
</tr>
<tr>
<td><strong>Facebook User</strong></td>
</tr>
<tr>
<td>The SafeTea Campaign have multiple fantastic resources to support your burn awareness training.</td>
</tr>
<tr>
<td><strong>Twitter User</strong></td>
</tr>
<tr>
<td>The answer is simple. Obviously follow the “common sense” tips given above, but perhaps pay more attention to the children and perhaps a little less to your mobile phones. <strong>Facebook User</strong></td>
</tr>
<tr>
<td>I disagree [with the first aid advice], I took clothing off my son after soaking and was told in the burns unit that I shouldn’t have as it made things worse. <strong>Facebook User</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clarity and comprehensibility of content in SafeTea materials</th>
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</thead>
<tbody>
<tr>
<td>The information on the leaflets was easy to understand because pictures were added. <strong>Respondent 147, A&amp;E Employee</strong></td>
</tr>
<tr>
<td>Some of our families have English as a second language but I felt the poster was suitable for all. <strong>Respondent 11, Youth Welfare Officer</strong></td>
</tr>
<tr>
<td>The poster gets the message over to parents and health workers very well. <strong>Respondent 32, Paediatric Specialist</strong></td>
</tr>
<tr>
<td>There are clear pictures depicting the dangers of hot drinks. <strong>Respondent 33, Nursery Employee</strong></td>
</tr>
<tr>
<td>The flyer gives clear methods for parents and carers to use when a burn has happened. <strong>Respondent 107, Nursery Employee</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Use of SafeTea materials for facilitating communication between professionals and parents</th>
</tr>
</thead>
<tbody>
<tr>
<td>I’m very impressed with your resources and this campaign - it has helped as a prompt for health visitors to discuss burns prevention and is a great visual aid for parents. <strong>Respondent 84, Health Visitor</strong></td>
</tr>
<tr>
<td>The campaign was excellent, it really was useful for follow-up appointments with families regarding accident prevention. <strong>Respondent 109, Health Visitor</strong></td>
</tr>
<tr>
<td>The posters and other resources were great for starting conversations with parents within the centre and when family support workers visited families. <strong>Respondent 86, Children’s Centre Employee</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Impact/Behaviour Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awareness/education of the risk of hot drinks scalds to young children and of appropriate burn first aid</td>
</tr>
<tr>
<td>I feel that all parents, professionals and adults entering the building now have a better awareness. <strong>Respondent 162 Nursery Employee</strong></td>
</tr>
<tr>
<td>My son had a near miss burn in day care and this campaign has definitely assisted in educating staff and other parents of the risks. <strong>Respondent 60, Parent</strong></td>
</tr>
</tbody>
</table>
I thought this campaign was excellent. I discussed it with my parents, one admitted she wouldn’t really have known what to do if her child poured hot tea or coffee on himself. I educated her and recommended a parents first aid course. **Respondent 5, Childminder**

The message of first aid appears to be getting through. **Respondent 78, Paediatric Specialist**

### Knowledge of correct burn first aid practices

The children look at and talk about the poster most days as it’s on the back of the front door so it’s a constant reminder about the dangers of hot drinks and why they must not touch hot drinks... The two three-year-olds have taken the information in from the magnet on the fridge and know how to call 999 and put the burn under cold water. It’s been a very useful pack. **Respondent 71, Childminder**

A lot of parents were originally unaware of the need to cool the burned area and that they should not apply creams prior to A&E assessment. **Respondent 134, Health Visitor**

Many parents were not aware of how long they should cool the burn for and that they should use cling film to cover the burn. **Respondent 162, Nursery Employee**

### Responses to the SafeTea materials and messages

A parent straight away saw the poster and said ‘oh gosh, I must stop having hot drinks near my child’. **Respondent 28, Childminder**

My parent was shocked when I told her that her son could reach my kitchen side and she hadn’t realised he could also reach hers. **Respondent 5, Childminder**

People were surprised how long a cup of tea stays hot. **Respondent 53, Children’s Centre Employee**

I feel parents and children take more notice of the height chart and I often see parents measuring their children against it surprised to see how far their child can actually reach. **Respondent 155, Children’s Centre Employee**

I think the reach chart helped to make a few parents realise what children could do and stopped them leaving hot drinks in silly places. **Respondent 65, Childminder**

I spoke to parents about SafeTea and this made us make a decision not to have tea in our setting when children are present. **Respondent 53, Children’s Centre Employee**

I got each child to demonstrate their reach and this really brought to my attention that I need to move things even further away although I try to use travel mugs. **Respondent 40, Childminder**

Unfortunately parents don’t always realise the dangers until an accident happens. The parents looked at the magnets and the reach chart but didn’t seem to take the warnings seriously. I think most parents were rather blasé about the dangers! **Respondent 30, Baby and Toddler Group Leader**

### DISCUSSION

This process evaluation suggests that the SafeTea campaign was successful in reaching a large number of the target audience of parents/caregivers of young children and professionals working with these parents/caregivers across the UK. Parents and professionals engaged with SafeTea both online and in community settings, and expressed positive opinions of the campaign and materials.

The findings reinforce those from the feasibility study that the SafeTea materials were acceptable.
and easily understood, and have the potential to change caregivers’ behaviors with regards to hot
drink scalds prevention and burn first aid.[20] The acceptability and efficacy of SafeTea were thus
maintained following online adaptation, and the online delivery mechanism enabled nationwide
dissemination of key messages, and accessibility of the materials to a wide variety of health
professionals and community practitioners.

To our knowledge, SafeTea is one of only two interventions aimed at both preventing hot drink scalds
in young children and improving caregiver knowledge of correct burn first aid.[16-18] A randomized
controlled trial of Cool Runnings,[35] a mobile app-based intervention that used social media to
recruit mothers of young children in Australia,[36] found that the intervention was effective for
improving mothers’ knowledge about risks of hot drink scalds and burn first aid.[35] Whilst we did
not directly measure improvements in knowledge amongst parents, these results confirm those of
the SafeTea feasibility study,[20] in which parents’ perceived risk of hot drink scalds and knowledge
of correct first aid procedures improved post-intervention. A mobile app containing the SafeTea
messages and materials could be considered as a potential delivery channel for future campaigns.

Although research evaluating the effectiveness of parent education on scald prevention in preschool
children is scarce,[16, 17] systematic reviews and meta-analyses suggest that multimedia campaigns
and online interventions are effective at influencing behaviour change across a range of issues
including alcohol consumption, tobacco use, and physical activity.[37, 38] The evidence indicates that
effective behaviour change interventions are multifaceted and underpinned by theory, and that
shorter interventions offer larger impacts.[37, 38]

Launching SafeTea on NBAD and coordinating the launch with the Children’s Burns Trust was critical
for optimising publicity. Regional press and media coverage was effective in Cardiff and Bristol where
the project team were based; a more widespread publicity campaign with local case studies in other
UK regions may have widened the reach. Reach, impression, and engagement rates and website
visits were highest in the first week and were maintained for the first month of the campaign, falling off thereafter. This was likely related to the reduced publicity, and the reduced frequency of social media posts from November onwards, due to a lack of fresh content to post. This demonstrates the importance of continually generating and posting new social media content, and suggests that the campaign could be equally effective over a shorter time period using additional and more frequent social media posts.

Part of the campaign strategy was to guide social media users to the SafeTea website and the downloadable materials. Given that most website users originated from social media platforms, this strategy was clearly effective. Most of this traffic came from Facebook, with a small proportion originating from Twitter. It is possible that Twitter users were not using the materials to deliver the intervention in their settings but were promoting the key messages in a supportive role. It became clear early on that Instagram was not a viable platform for the campaign, probably due to the lack of influencers or brands to work with, and because the SafeTea posts and messaging were not aesthetically appealing.

The strengths of this study are in the use of theory, and of mixed methods and triangulation of data from different sources, which enabled us to increase the scope and depth of the findings and enhance confidence in our conclusions and recommendations. The evaluation was limited because it was difficult to determine precisely how many people the SafeTea campaign reached, and it was not possible to directly measure behaviour change amongst parents and caregivers. The ability to reach a wide audience is a strength of a multimedia campaign, however paradoxically this also presents the greatest challenge for evaluation.[22] It is difficult to reach and follow-up the target audience as there is little control over who is exposed to the campaign.[22] The analysis was limited by the information that social media and Google Analytics provides: e.g. Google Analytics only provides demographic information if a user is logged into their Google account. The 40% of survey
respondents were likely those who found the materials beneficial, therefore the survey results should be interpreted with some degree of caution.

Recommendations

Any future SafeTea campaign should be shorter and more widely advertised in all UK countries. Taken together, the findings from the feasibility study[20] and the campaign process evaluation demonstrate the potential for SafeTea to achieve the intermediate outcomes described in the logic model (Figure 1); that is, increase parents perceived risk of hot drink scalds in preschool children, improve their knowledge of appropriate burn first aid, and encourage them to change their behaviours to minimize risk. Future research should focus on assessing behaviour change directly with parents. In order to measure whether SafeTea is effective in achieving the long-term intended outcomes of reducing the incidence of scalds in preschool children, reducing burn severity and improving burn first aid administration, attention must be given to an evaluation of the epidemiology of hot drink scalds and burn first aid practices over and beyond the time-frame of the campaign. This will require continued surveillance of burns presentations to hospitals, and could be facilitated using the Burns and Scalds Assessment Template, an evidence-based data collection proforma designed to standardise the clinical assessment of childhood burns in the emergency department.[39] The SafeTea campaign strategy and materials are now validated for use with an online population and could be used in future burns awareness campaigns. The materials will remain on the SafeTea website for the foreseeable future.

CONCLUSIONS

The SafeTea multimedia campaign reached a greater number of the target audience (young parents and professionals working with families) with a limited budget in comparison to what is possible in local, face-to-face community-based campaigns. Collaboration with NBAD enabled us to capitalise on an established ‘National Day’ with its associated TV, radio and news publicity, which significantly
enhanced the campaign promotion. Engagement with parents and professionals was successful and they had high opinions of the SafeTea campaign and materials. A shorter campaign is advisable and could be run again alongside NBAD as the resources remain current. A future campaign would benefit from funding for a full-time staff member to coordinate the social media component.
Figures

Figure 1. Logic model for the SafeTea campaign.

Figure 2. The relationships between the different components of the SafeTea campaign and a list of collaborating partners.
Figure 3. A timeline of activities undertaken during the design and development of the SafeTea campaign.

Figure 4. Key reach and engagement metrics for the SafeTea campaign. Unique visitors to the SafeTea website are the number of people who visited the website at least once during the campaign period. Unique page views are the number of visits to the website during which an individual page was viewed at least once.
REFERENCES


Appendix 1: SafeTea online printed intervention materials

SafeTea Poster 1: Toddler pulling a hot drink down over themselves

KEEP HOT DRINKS OUT OF MY REACH

30 babies and toddlers go to the hospital with a hot drink burn every day.

#safeTea
www.safetea.org.uk
@safeteacampaign
SafeTea Poster 2: Parent carrying a hot drink whilst holding a baby

**KEEP HOT DRINKS OUT OF BABY’S REACH**

30 babies and toddlers go to the hospital with a hot drink burn every day.

#safeTea
www.safetea.org.uk
SafeTea Poster 3: Child running into adult carrying a hot drink

KEEP HOT DRINKS OUT OF MY WAY

30 babies and toddlers go to the hospital with a hot drink burn every day.

#safeTea
www.safetea.org.uk

SafeTea
KEEP HOT DRINKS OUT OF REACH
KEEP HOT DRINKS OUT OF MY REACH

30 babies and toddlers go to the hospital with a hot drink burn every day.

SafeTea
www.safetea.org.uk

#safeTea
@safetacampaign
KEEP HOT DRINKS OUT OF MY REACH

30 babies and toddlers go to the hospital with a hot drink burn every day.

HOT DRINKS BURN ME!

△ Mobile toddlers are at the highest risk of scalds (burns from hot liquids).
△ The most likely ways that I could be scalded is by pulling a hot drink over myself or someone spilling their hot drink on me.
△ My skin is much thinner than yours and so burns more quickly and deeply.

BE SAFE

△ Keep hot drinks out of my reach
△ Don’t pass a hot drink over my head
△ Don’t hold a hot drink whilst holding me

FIRST AID

REMOVE
△ Remove clothing and jewellery immediately.

COOL
△ Run lots of cool water over the burn for 20 minutes but be careful to keep the child warm.
△ If the burn starts to hurt again, run it again under cool water.

CALL
△ Get advice from a doctor, or the Emergency Department at the local hospital.
△ Call 999 if the burn is on the face, hands, feet, joints or happy area, or is larger than a 1 pence coin.

COVER
△ Gently cover the burn with cling film or clean non-fluffy material to stop it getting infected. Keep it loose as burns swell. Don’t put cling film on the face.
△ Don’t touch the burn or burst blisters. Don’t use creams or ointments.
SafeTea Reach Chart
SafeTea Fridge Magnets
SafeTea Activity 1. Reach Chart

Babies and Toddlers grow quickly
Parents and carers are often surprised to see how high young children can reach
The reach chart is designed to be used in group sessions or on a one to one basis with parents and carers
- To see how high infants and toddlers can reach
- To identify what surfaces they can reach
- To inform discussion about where it would be safe to put a hot drink

The reach chart includes
The prevention message “Keep hot drinks out of reach”
Links to the SafeTea website and social media
Burn first aid technique COOL, CALL, COVER

There is a height chart marked and illustrated with the heights of standard surfaces in the home where a hot drink may be left to include
- On the floor
- Coffee table at 40 cm height
- Dining table at 70 cms
- Kitchen worktop 90 cms

How to use the reach chart
The reach chart can be placed on the wall in the family home, children centre, clinic, playscheme or used by Health Visitors in the home, always ensuring that the bottom of the chart is on the floor.
- Children find it fun to see how high they can reach
- Parents are surprised at how high even the smallest child can reach
- It’s fun to run a competition to see who can reach the highest and mark the chart with a sticker with the name and age of the child. Some have used hand paints beside the chart.
- The reach chart can be used to see how much higher children can reach as they get older

Suggestions for discussion with caregivers that have used the reach chart
Were you surprised how high the child could reach?
- This means that they could potentially reach the __________
- Do you have somewhere in the home where you can put a hot drink out of reach? Where would that be?
- Encourage parents to take the SafeTea Pledge

How to get a Reach Chart
There are a limited number of reach charts available on a first come first serve basis please apply on https://safetea.org.uk/resources/
The reach chart is designed to be printed on A4 sheets that can be stuck together to make a complete chart (this could also be laminated)
SafeTea Activity 2 First Aid Key Messages:

Everyone should know how to do first aid for a Burn

First aid for burns is easy: Cool, Call, Cover

Prompt first aid

Reduces the severity of a burn

Reduces the pain

Reduces the amount of treatment needed

Reduces the amount of time the burn takes to heal

This activity will help your group learn and remember how to carry out appropriate first aid for a scald.

Activity: Scald the doll

Discuss or model a scenario where a child has a hot drink burn e.g. A doll dressed in a long-sleeved t-shirt (you could shade a part of the arm underneath the shirt to represent a burn)

Equipment:

- a hard-bodied doll
- a cup of coloured liquid (e.g. cola)
- washing up bowl & spill sheet
- cling-film

How to:

Hold the doll over the bowl and spill some of the coloured liquid on the doll’s arm to mimic a burn from hot cup of tea.

Ask them what they would do.
Guide them through the 3 main steps of Cool, Call and Cover.

1. **Cool**

   Remove affected clothing and jewellery around the area of the burn.
   *If they aren’t sure how far the burn has gone it’s best to remove all clothing.*

   Cool the burn by running under cool water from the cold tap (5-25°C) for 20 mins.
   *It is important to cool the burn and not the child – use a blanket to keep the rest of the child warm to avoid hypothermia.*

2. **Call for medical help**

   If the burn is bigger than 10p coin / postage stamp on the face, hands, neck or genital area.
   Call your GP, dial 111 or 999 (if a major burn requiring immediate attention)

3. **Cover**

   Cover the burn with cling-film (loosely in sheets but don’t wrap around & don’t put on the face)
   *Don’t use ice / toothpaste / butter / hand-cream / honey / oil etc.*

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**Questions for discussion**

- Discuss what to do if the burn was on another part of the body, e.g. cool the burn in the shower.
- Discuss what to do if the burn happens outside the home, e.g. immerse the burn in cold water i.e. stream or the sea etc.
- Ask them what they would do if they came home to find their child had received a burn earlier on.
  *(first aid is still effective up to 3 hours after the burn happened).*
- Why should the burn be covered?

The first aid video could be used to supplement the activity and a first aid magnet or ‘business card’ could be given out.  [https://safetea.org.uk/resources/](https://safetea.org.uk/resources/)

*Magnet / ‘business card’*
SafeTea Activity 3
Accidentally spilling a hot drink

Key Messages
A hot drink is easy to spill when you are around young children
A spilt hot drink can go a long way
The hot drink can affect a large area of an infant's skin
The hot drink can cause a serious burn to the face, chest and abdomen
KEEP HOT DRINKS AWAY FROM CHILDREN

This SafeTea activity will help a group of parents or carers of young children gain a better awareness of
How much of a baby’s body can be covered by an ordinary mug of liquid?
This SafeTea activity is messy! But it is visually very powerful.

Equipment:

- a baby doll (preferably the size of a young baby) dressed in a white baby-grow
- a mug of cola or similar coloured liquid (one that doesn’t stain!)
- a baby seat e.g. bouncy chair / baby car seat *
- a ball and a colleague to roll it
- plastic sheet to put under the seat

How to run the activity:

- place the doll in the seat on the floor
- hold the mug of liquid in your hand while talking to the group about the dangers of carrying hot drinks with young children around
- get a colleague to roll the ball at your feet whilst you are talking and, as you pretend to trip, tip the full contents of the cup onto the doll on the chair
- take the doll out of the seat and hold it up to demonstrate how far the liquid has spread. Turn the doll to show how the liquid has spread from the front to the back of the baby grow.
- make the point that a baby’s skin is much (estimated as 15 times) thinner than an adult’s so this burn would be very serious.
Ask the group for suggestions about different scenarios where hot drinks could be spilt. e.g.:

- a child pulling the tablecloth and spilling it,
- a mug placed on a T-towel that overhangs a kitchen surface
- grabbing your cup or accidentally knocking it whilst you are holding it.

Also get them to think about other situations such as cafes or toddler groups where the risk is increased.

Discuss what they can do to prevent this type of thing from happening both in the home and when they’re out.

You can make the point that getting into the habit of always putting down your cup on a high surface and out of reach / not passing drinks over children / not holding a hot drink whilst holding a baby is safest.

* If you don’t have a bouncy chair or car seat simply hold the doll or put it down on the floor and drop some of the contents of the mug on it. Then ask the parents how much they think of the child’s body a full cup would spread over.

⚠️ **SafeTea Key messages:**

- Keep hot drinks out of children’s reach
- Don’t pass a hot drink over a child
- Don’t hold a hot drink whilst holding a baby
- Make a SafeTea zone: a safe place for hot drinks in your home, out of reach of small children
SafeTea Activity 4 - How long does it take for a Hot drink to cool?

Key Messages
A hot drink is extra ordinarily hot when made in a mug
A hot drink stays hot enough to scald for a long time!
A child’s skin is thinner than an adult and burns very easily at low temperatures
The hot drink can cause a serious burn to the face, chest and abdomen
KEEP HOT DRINKS AWAY FROM CHILDREN

Equipment:
• A kettle, mug and water
• A thermometer that can measure temperatures between 30 & 100 degrees centigrade
• A clock or timer
• A flip chart or white board and marker pens (optional)

How to:
• Make a mug of hot drink in front of the group
• Make the point that just-boiled water scalds instantly and needs to be put somewhere safe to cool, out of children’s reach.
• Measure the temperature of the liquid and record it on the flipchart or white board / ask someone else to take note. Set the timer going and put the mug in a safe place.
• Return around every five minutes to measure the temperature and record it on the flipchart / whiteboard.
• Explain how at 70 degrees it will scald a young child in less than one second, at 60 degrees in less than a second and a half and at 55 degrees in 10 seconds.
• As you are noting the temperature over time point out to parents that even though the drink might NOT seem ‘hot’ to them, children's skin is much thinner than adult skin and so burns more quickly and deeply.

Points for discussion
• Different containers keep drinks hotter for longer than others e.g polystyrene, thermal cups
• The most common hot drink scalds are by the child pulling a hot liquid over themselves (or someone spilling their drink on them)

• Children can often reach higher surfaces than expected

Ask parents what they would do with a hot drink if holding a baby or if someone tried to pass them a hot drink over a child.

Discuss different strategies for keeping hot drinks out of reach

When the drink has cooled to below 40 degrees:

Note the time it has taken

Offer the mug to the audience to hold, so they can feel what is a safe temperature

Encourage your group to take the SafeTea Pledge

⚠️ Key messages:
• Keep hot drinks out of children’s reach
• Don’t pass a hot drink over a child
• Don’t hold a hot drink whilst holding a baby
• Make a SafeTea zone: a safe place for hot drinks in your home, out of reach of small children

The most common hot drink scalds are by the child pulling a hot liquid over themselves

Or someone spilling their drink on them
Appendix 2: Targeted promotion used to brief professional groups about the SafeTea campaign

Health visitors

- Institute of Health Visiting (iHV): Article in September Newsletter and blogs in October and December
- Presentation at iHV conference in September
- As an ambassador, IHV re-tweeted SafeTea posts and posted updates on their website
- Community Practitioners and Health Visitors Association (CPHVA): Article in the journal *Community Practitioner* in October

Nursery nurses and childminders

- Professional Association for Child Care and Early Years (PACEY): Blog in news on webpage, and on Facebook
- As an ambassador, PACEY shared posts on Facebook and Tweets
- First steps nursery: Blog on website

General Practitioners

- Article in Primary Care Bulletin, sent to every GP in England and Wales
- Article in newsletter from the National Association for Patient Participation and the Practice Managers’ Network sent to all practice managers in England
- Centre for Academic Primary Care, Bristol: Blog on website and article in newsletter sent to GPs across UK

Paediatricians and hospital doctors

- Presentation at the Royal College of Paediatrics and Child Health (RCPCH) conference in April 2019
- Blog and tweets from Max Davie, RCPCH prevention lead
- Article in British Association for Community Child Health (BACCH) e-news in October
- Ulster Paediatric Society e-news in September
- Article in British Burn Association (BBA) newsletter in October
- News cascade to Emergency Department doctors via the Paediatric Emergency Research in the UK and Ireland (PERUKI) network in October

Public health

- NHS England: Publicity to early years workers via the Best Start in Life Programme in October
- NHS Scotland: Scottish Community Safety Network blog
- NHS Wales: National Centre for Population Health and Wellbeing Research (NCPHWR) - publicity via social media
- Public Health Northern Ireland: publicity to community nurses via chief nurse
- British Association of Child and Adolescent Public Health (BACAPH): Blog
Appendix 3: Online evaluation survey of the SafeTea materials and campaign

1. What is your designation/job role?
   a. Did you receive the resource pack?
2. Who did you use the resources with?
3. Please estimate the number of parents you shared the resources with
4. Please estimate the number of professionals you shared the resources with
5. Did you receive a poster in your pack?
   a. Did you use the poster?
   b. Was the poster easily understood by parents?
   c. What did you think of the poster as a useful resource for hot drink burn prevention?
   d. Please add any comments about the poster
6. Did you use the 2-sided A5 flyers?
   a. How did you use the flyers?
   b. Were the flyers easily understood by parents?
   c. What did you think of the flyers as a useful resource for hot drink burn prevention?
   d. What did you think of the flyers as a useful resource for promoting burn first aid?
   e. Please add any comments about the flyers
7. Did you use the magnets?
   a. How did you use the magnets?
   b. Were the magnets easily understood by parents?
   c. What did you think of the magnets as a useful resource for hot drink burn prevention?
   d. What did you think of the magnets as a useful resource for promoting burn first aid?
   e. Please add any comments about the magnets
8. Did you use the reach chart?
   a. How did you use the reach chart?
   b. What did you think of the reach chart as a useful resource for hot drink burn prevention?
   c. Please add any comments about the reach chart
9. Did you receive activity sheets in your pack?
   a. Did you use the activity sheets?
   b. How did you use the activity sheets?
   c. What did you think of the activity sheets as a useful resource for hot drink burn prevention?
   d. Please add any comments about the activity sheets
10. Did you download any additional resources from the website?
11. Did you view the Safe-Tea videos from the Safe-Tea website?
   a. Were you able to use or share the videos with others?
   b. Do you have any comments about the Safe-Tea videos?
12. Do you have any other comments about the Safe-Tea campaign?
Appendix 4: Round-up of top-line media coverage for the launch of SafeTea on National Burns Awareness Day, October 16th and 17th 2019

Radio:

- Sky News Radio
- BBC Radio Wales, two interviews
- BBC Radio Bristol
- Swansea Sound
- Gateway 97.8

TV:

- ITV News
- C5 News
- BBC TV Bristol
- ITV Wales
- ITV Anglia
- BBC Wales
- Dr Ranj on This Morning, 17th October

Online national press:

- MailOnline
- Sun Online
- Metro Online
- ITV Online
- NHS Health in Wales

Print:

- Metro

Online posts:

- Cardiff University
- Bristol University
- National Fire Chiefs organisation
- Mumsnet adverts
- Care and Learning Alliance
- Royal Society for the Prevention of Accidents online newsletter, October edition

Laura’s story (SafeTea ‘case story’ about her toddler who was burned by hot coffee), with offered interview, went out to multiple named contacts at the following Women’s consumer titles:

- Bella
- Best
- Chat
- Take a Break
- Woman
Appendix 5: Job titles of 163 professionals who completed the online survey evaluating the SafeTea materials and campaign.