Additional File 1: Summary of implementation steps and outcomes

Step	Description	Outcome
1: Forming an implementation team.	<ul> <li>Implementation teams formed to build relationships, establish project objectives, ensure coordination, and plan outcome measurement.</li> <li>Teams presented with the approach, agreed to participate on this basis, and met around once every six weeks.</li> </ul>	<ul> <li>staff numbers and type belonging to each team varied by hospital.</li> <li>H1 team: led by and advanced nutrition support nurse and</li> </ul>
2: Defining a locally relevant target behaviour.	<ul> <li>Implementation teams discussed the alert in relation to local practice to inform the decision about areas of the hospital to audit, and develop initial ideas about which target behaviour to focus on.</li> <li>Teams supported to audit current NG tubes practice using co-developed audit tools to confirm target behaviour.</li> </ul>	hospital indicated that the main area of concern they had with complying with the alert was the first line method used to check the position of NG tubes.  • Baseline audits confirmed this as an issue (Table 3) –
3: Understanding the barriers to performing the desired behaviour.	<ul> <li>IPSBQ</li> <li>The IPSBQ was distributed to all staff that had some involvement in the target behaviour.</li> <li>Mean domain scores were calculated for each hospital to establish key barriers to behaviour change.</li> </ul>	(checking pH first line) across H1 and H2 was 'social

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5: Intervention implementation.	<ul> <li>Reports produced for senior management in each hospital, which included an explanation of the approach taken to identify the target behaviour, predominant barriers to performing the target behaviour, and interventions to address the barriers.</li> <li>Senior management asked to approve the recommended interventions, and provide any resources necessary to support implementation within the Trust.</li> <li>Once the report was returned with authorisation of the interventions, teams were supported to implement the strategies in each Trust.</li> </ul>	<ul> <li>the three Trusts are presented in Table 6.</li> <li>Authorisation was provided for the majority of strategies; senior management provided reasons for rejecting a suggested intervention.</li> </ul>
6: Evaluation	<ul> <li>Organisations were supported to carry out pPost- intervention audits to determine the impact of the interventions (since the initial audit undertaken in Step 2) on the performance of the target behaviour.</li> </ul>	undertaken in each Trust and will be reported in a