### Supplementary File 11: Implementation Themes

<table>
<thead>
<tr>
<th>Implementation Themes</th>
<th>Primary Care</th>
<th>Secondary/Tertiary Care</th>
<th>Emergency &amp; Pre-hospital Care</th>
<th>Other/Mixed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Papers &amp; Refs</td>
<td>No. of Papers &amp; Refs</td>
<td>No. of Papers &amp; Refs</td>
<td>No. of Papers &amp; Refs</td>
<td></td>
</tr>
<tr>
<td>Role Implementation Issues</td>
<td>N=26</td>
<td>N=17</td>
<td>N=1</td>
<td>N=7</td>
<td>51</td>
</tr>
<tr>
<td>Autonomy</td>
<td>1-26</td>
<td>27-43</td>
<td>44</td>
<td>45-51</td>
<td></td>
</tr>
<tr>
<td>This theme relates to the extent of ACPs’ autonomy, control, power, and influence over their roles as reported in the evidence. It captures how issues regarding existing organisational and professional power dynamics were reported to create barriers to ACPs’ ability to independently and autonomously undertake and influence their roles and responsibilities, practice within the domains of the role, undertake initiatives and influence the direction of their roles and the services they provide. It highlights how these issues are reported in the literature to hinder ACP role and service development, implementation and long-term sustainability.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rationale for ACP Roles &amp; Services</td>
<td>N=3</td>
<td>N=4</td>
<td>N=0</td>
<td>N=3</td>
<td>7</td>
</tr>
<tr>
<td>This theme focuses on the extent to which policies and objectives underpinning ACP role introduction and development influences role sustainability. The papers provide evidence on the negative consequences of a lack of strategic planning regarding the introduction of ACP roles and services. They highlight how the introduction of ACP roles and services on an ad hoc basis within and across sectors may impede ACP role and service longevity.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Role Definition</td>
<td>N=8</td>
<td>N=3</td>
<td>N=0</td>
<td>N=3</td>
<td>11</td>
</tr>
<tr>
<td>This theme describes ambiguities in ACP role definition and the influence this has on the implementation of ACP roles and services. It summarises how the lack of standardisation and clarity of role description, the scope of practice, and role content and specificity act as barriers to role development and implementation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Funding</td>
<td>N=8</td>
<td>N=1</td>
<td>N=0</td>
<td>N=3</td>
<td>12</td>
</tr>
<tr>
<td>This theme depicts the impact of funding availability and financial policies on ACP role and service implementation. The theme summarises evidence of the impact of a lack of funding to support ACP education, training and programmes on role development. It also provides a summary of the actual</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implementation Themes</td>
<td>Primary Care No. of Papers &amp; Refs</td>
<td>Secondary/Tertiary Care No. of Papers &amp; Refs</td>
<td>Emergency &amp; Pre-hospital Care No. of Papers &amp; Refs</td>
<td>Other/Mixed No. of Papers &amp; Refs</td>
<td>Total</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------------------</td>
<td>---------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>---------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>and potential influence of financial policies that seek to achieve cost savings and improvements on ACP role sustainability.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Role Evaluation &amp; Cross-Organisational Engagement</strong></td>
<td>N=4 15, 18, 25, 26</td>
<td>N=1 39</td>
<td>N=0</td>
<td>N=0</td>
<td>5</td>
</tr>
<tr>
<td>This theme describes how ongoing robust evaluation of ACP roles and services is linked to the acceptability, introduction, implementation and sustainability of ACP roles and services. It also highlights how inclusive communication and engagement among stakeholders within and across sectors are reported to be relevant to ACP role acceptability, implementation and sustainability.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Education, Support &amp; Training</strong></td>
<td>N=5 1, 15, 21, 25, 26</td>
<td>N=9 28, 31-35, 40, 41, 43</td>
<td>N=1 44</td>
<td>N=4 45, 47-49</td>
<td>19</td>
</tr>
<tr>
<td>This theme describes the impacts of ACP education, training and continued professional development (CPD) on ACP role and service implementation from the perspectives of stakeholders as reported in the literature. It encompasses factors related to educational preparation, clinical supervision, mentorship, and CPD programmes and training. The theme also describes ways in which the educational, support and training gaps could be addressed to facilitate ACP role and service implementation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Career Progression and Pathway</strong></td>
<td>N=2 4, 25</td>
<td>N=0</td>
<td>N=0</td>
<td>N=1 47</td>
<td>3</td>
</tr>
<tr>
<td>This theme describes the need for a clear career pathway and ongoing professional development framework to support ACP role sustainability.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Role Awareness</strong></td>
<td>N=0</td>
<td>N=6 27, 31, 33, 36, 37, 41</td>
<td>N=0</td>
<td>N=3 45, 47, 49</td>
<td>9</td>
</tr>
<tr>
<td>This implementation theme relates to stakeholders’ familiarity with, and awareness of, the ACP role and how this influences role and service implementation. It summarises how stakeholders’ limited knowledge of ACP education, training, competencies and scope of practice hinder role introduction, development, implementation and regulation from the perspectives of ACPs and service managers.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


References


3. Hall JP. Nurse practitioners’ perceptions of their role and value in UK general practice [PhD Thesis]: Sheffield Hallam University; 2016. (accessed


28. Cuthbertson LM. Skeletal trauma reporting; perceptions and experiences of radiographer practitioners exposed to the reporting role. *Radiography*. 2020; **26**:35-41. doi: [http://dx.doi.org/10.1016/j.radi.2019.06.010](http://dx.doi.org/10.1016/j.radi.2019.06.010)


31. Halliday S, Hunter DJ, McMillan L. Ward staff perceptions of the role of the advanced nurse practitioner in a 'hospital at day' setting. *British Journal of Nursing* 2018; **27**:92-97. doi: [https://doi.org/10.12968/bjon.2018.27.2.92](https://doi.org/10.12968/bjon.2018.27.2.92)


33. Henwood S, Booth L, Miller PK. Reflections on the role of consultant radiographers in the UK: The perceived impact on practice and factors that support and hinder the role. *Radiography*. 2016; **22**:44-49. doi: [https://dx.doi.org/10.1016/j.radi.2015.06.001](https://dx.doi.org/10.1016/j.radi.2015.06.001)


