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A pilot study of a peer volunteering intervention for promoting active ageing in the community: Project ACE

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Introduction:
Project ACE (Active, Connected and Engaged) is a theory-informed, pragmatic intervention using peer volunteering support to promote active ageing. The ACE intervention was one of the outcomes of a 12-month collaborative network, AVONet, that used a range of approaches to identify best bet physical activity (PA) promotion strategies for older adults1. This study aimed to establish the feasibility and acceptability of the intervention.

Methods:
Fifty four older adults were recruited as volunteers (Activators; n=15) or intervention recipients (ACErs; n=39). ACErs were randomised to either one-to-one support by a peer volunteer or a waiting list control group. Recruitment and retention rates were recorded.

Participant characteristics:
Eighty five percent of ACE participants provided data at both baseline and 6 months.

76 interested Activators: 154 interested ACErs:
• 20 returned sign-up forms
• N=15 Activators paired with ACEs
• All Activators completed the ACE programme

• 65 returned sign-up forms
• 40 consented
• N=39 ACErs took part in the intervention

• 2/13 (female/male)
• Mean age 68.7 (SD 4.4)
• 5 widowed; 7 single/divorced; 3 married

• 18/21 (female/male)
• Mean age 74.7 (SD 7.4)
• 14 widowed; 11 single/divorced; 14 married

Results:
As hypothesised, ACErs in the intervention group reported more activities outside home (Table 1) and a greater number showed physical function improvements at follow-up than those in the control group (Table 2).

Table 1. Activities outside the home at baseline and follow-up

<table>
<thead>
<tr>
<th></th>
<th>Control (n=9)</th>
<th>Intervention (n=22)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean no. per week (±SD)</td>
<td>5.83 (3.46)</td>
<td>4.39 (3.75)</td>
</tr>
</tbody>
</table>
| *p<0.05
| Baseline          |              |                     |
| Follow-up         | 5.22 (3.40)  | 6.34 (4.15)*       |

Table 2. Proportion (% [n]) that reduced or increased lower limb physical function (PF) between baseline and follow-up

<table>
<thead>
<tr>
<th></th>
<th>Control (n=9)</th>
<th>Intervention (n=22)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduced PF</td>
<td>55.6 (5)</td>
<td>27.3 (6)</td>
</tr>
<tr>
<td>Increased PF</td>
<td>11.1 (1)</td>
<td>50 (11)</td>
</tr>
<tr>
<td>% (n)</td>
<td></td>
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</tbody>
</table>

Table 3. Proportion (%) that reduced or increased physical activity between baseline and follow-up

<table>
<thead>
<tr>
<th></th>
<th>Control (n=9)</th>
<th>Intervention (n=22)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduced MAVPA</td>
<td>12.5</td>
<td>62.5</td>
</tr>
<tr>
<td>Increased MAVPA</td>
<td>29.4</td>
<td>58.8</td>
</tr>
<tr>
<td>% (n)</td>
<td></td>
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Conclusions:
• ACE is feasible and can help older people to get out and about more, improve their confidence and engage more with their community.
• Recruitment is an important area for improvement prior to a definitive pragmatic trial.
• ACE has already been adopted and delivered by LinkAGE – Bristol.
• ACE was one of only two UK initiatives to be rated as a promising practice by Public Health England4.

References:
2. Marriott, D. 2005. MSc. West, 21, 11.02.05.02

Figure 1. Changes in motivational processes
At 6 months, the intervention group showed significantly improved general confidence to get out and about, increased confidence in the face of specific barriers, increased knowledge of local initiatives and increased social support (Figure 1).