Table S1 – Economic outcomes in patients with and without deep SSI

<table>
<thead>
<tr>
<th>Variable</th>
<th>Assessment point</th>
<th>No deep SSI</th>
<th>Deep SSI</th>
<th>p-value</th>
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<td></td>
<td></td>
<td>N</td>
<td>n</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Mean (SE)</td>
<td>Mean (SE)</td>
<td></td>
</tr>
<tr>
<td>EQ-SD-3L Utility Scores</td>
<td>Pre-injury baseline</td>
<td>414</td>
<td>35</td>
<td>0.89 (0.01)</td>
</tr>
<tr>
<td></td>
<td>Post-injury baseline</td>
<td>399</td>
<td>35</td>
<td>0 (0.01)</td>
</tr>
<tr>
<td></td>
<td>3 months</td>
<td>298</td>
<td>27</td>
<td>0.35 (0.02)</td>
</tr>
<tr>
<td></td>
<td>6 months</td>
<td>283</td>
<td>27</td>
<td>0.48 (0.02)</td>
</tr>
<tr>
<td></td>
<td>9 months</td>
<td>274</td>
<td>23</td>
<td>0.53 (0.02)</td>
</tr>
<tr>
<td></td>
<td>12 months</td>
<td>336</td>
<td>27</td>
<td>0.57 (0.02)</td>
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<tr>
<td>SF-6D Utility Scores</td>
<td>Pre-injury baseline</td>
<td>411</td>
<td>34</td>
<td>0.86 (0.01)</td>
</tr>
<tr>
<td></td>
<td>3 months</td>
<td>278</td>
<td>26</td>
<td>0.56 (0.01)</td>
</tr>
<tr>
<td></td>
<td>6 months</td>
<td>263</td>
<td>26</td>
<td>0.61 (0.01)</td>
</tr>
<tr>
<td></td>
<td>9 months</td>
<td>245</td>
<td>22</td>
<td>0.63 (0.01)</td>
</tr>
<tr>
<td></td>
<td>12 months</td>
<td>307</td>
<td>25</td>
<td>0.65 (0.01)</td>
</tr>
<tr>
<td>QALYs over one year follow-up</td>
<td>EQ-5D-3L</td>
<td>199</td>
<td>18</td>
<td>0.44 (0.02)</td>
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<tr>
<td></td>
<td>SF-6D</td>
<td>172</td>
<td>16</td>
<td>0.65 (0.01)</td>
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<tr>
<td>Cost of initial hospitalisation</td>
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<td>423</td>
<td>35</td>
<td>10318.44 (257.95)</td>
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<td>Costs by cost category - 0-3 months</td>
<td>Hospital inpatient care</td>
<td>299</td>
<td>30</td>
<td>808.03 (123.7)</td>
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<tr>
<td></td>
<td>Hospital outpatient care</td>
<td>283</td>
<td>27</td>
<td>599.02 (40.17)</td>
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<tr>
<td></td>
<td>Community care</td>
<td>281</td>
<td>27</td>
<td>260.19 (26.17)</td>
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<tr>
<td></td>
<td>Medications</td>
<td>272</td>
<td>27</td>
<td>22.51 (4.27)</td>
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<tr>
<td></td>
<td>Personal social services</td>
<td>273</td>
<td>27</td>
<td>56.84 (19.3)</td>
</tr>
<tr>
<td></td>
<td>Aids and adaptations</td>
<td>277</td>
<td>27</td>
<td>13.24 (1.81)</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>256</td>
<td>27</td>
<td>11303.64 (324.96)</td>
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<tr>
<td>Costs by cost category - 3-6 months</td>
<td>Inpatient care</td>
<td>279</td>
<td>28</td>
<td>691.37 (99.69)</td>
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<td></td>
<td>Outpatient care</td>
<td>270</td>
<td>27</td>
<td>565.9 (36.21)</td>
</tr>
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<td></td>
<td>Community care</td>
<td>266</td>
<td>26</td>
<td>247.43 (47.33)</td>
</tr>
<tr>
<td></td>
<td>Medications</td>
<td>263</td>
<td>26</td>
<td>27.84 (13.8)</td>
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<tr>
<td></td>
<td>Personal social services</td>
<td>269</td>
<td>27</td>
<td>124.66 (79.4)</td>
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<tr>
<td></td>
<td>Aids and adaptations</td>
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<td>27</td>
<td>7.77 (1.99)</td>
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<tr>
<td></td>
<td>Total</td>
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<td>1597.38 (158.77)</td>
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<td>Costs by cost category - 6-9 months</td>
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<td>271</td>
<td>23</td>
<td>630.91 (108.13)</td>
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<td></td>
<td>Outpatient care</td>
<td>260</td>
<td>22</td>
<td>348.75 (29.56)</td>
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<td></td>
<td>Community care</td>
<td>253</td>
<td>22</td>
<td>97.53 (15.18)</td>
</tr>
<tr>
<td></td>
<td>Medications</td>
<td>260</td>
<td>21</td>
<td>20.49 (5.56)</td>
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</table>
## Personal Social Services

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
<th>Costs</th>
<th>Average</th>
<th>Median</th>
<th>SD</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal social services</td>
<td>260</td>
<td>34.72 (14.35)</td>
<td>22</td>
<td>0 (0)</td>
<td>0.016*</td>
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</tr>
<tr>
<td>Aids and adaptations</td>
<td>256</td>
<td>1.45 (0.46)</td>
<td>22</td>
<td>0.46 (0.31)</td>
<td>0.079*</td>
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<tr>
<td><strong>Total</strong></td>
<td>240</td>
<td>1091.48 (137.11)</td>
<td>21</td>
<td>623.24 (208.93)</td>
<td>0.068*</td>
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</table>

## Costs by cost category - 9-12 months

<table>
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<tr>
<th>Category</th>
<th>Count</th>
<th>Costs</th>
<th>Average</th>
<th>Median</th>
<th>SD</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient care</td>
<td>326</td>
<td>347.97 (94.16)</td>
<td>27</td>
<td>629.82 (355.52)</td>
<td>0.45</td>
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<tr>
<td>Outpatient care</td>
<td>315</td>
<td>256.22 (23.56)</td>
<td>26</td>
<td>264.95 (60.44)</td>
<td>0.894</td>
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<tr>
<td>Community care</td>
<td>315</td>
<td>61.77 (11.13)</td>
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<td>23.05 (10.46)</td>
<td>0.013*</td>
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<tr>
<td>Medications</td>
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<td>19.51 (6.46)</td>
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<td>27.87 (14.24)</td>
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<tr>
<td>Personal social services</td>
<td>318</td>
<td>42.74 (18.27)</td>
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<td>0 (0)</td>
<td>0.02*</td>
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<tr>
<td>Aids and adaptations</td>
<td>316</td>
<td>4.08 (2.2)</td>
<td>26</td>
<td>4.82 (3.76)</td>
<td>0.865</td>
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<tr>
<td><strong>Total</strong></td>
<td>296</td>
<td>711.58 (113.29)</td>
<td>25</td>
<td>1002.68 (424.94)</td>
<td>0.514</td>
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</table>

## Total costs over one year follow-up by cost category

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
<th>Costs</th>
<th>Average</th>
<th>Median</th>
<th>SD</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient care</td>
<td>199</td>
<td>2117.04 (324.48)</td>
<td>21</td>
<td>5626.42 (2099.13)</td>
<td>0.113</td>
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<tr>
<td>Outpatient care</td>
<td>177</td>
<td>1803.13 (121.26)</td>
<td>17</td>
<td>1718.01 (308.45)</td>
<td>0.8</td>
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<tr>
<td>Community care</td>
<td>168</td>
<td>659.45 (76.47)</td>
<td>16</td>
<td>689.4 (210.44)</td>
<td>0.895</td>
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<tr>
<td>Medications</td>
<td>164</td>
<td>102.61 (27.64)</td>
<td>17</td>
<td>156.2 (98.48)</td>
<td>0.607</td>
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<tr>
<td>Personal social services</td>
<td>166</td>
<td>146.48 (46.44)</td>
<td>17</td>
<td>102.82 (88.92)</td>
<td>0.667</td>
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</tr>
<tr>
<td>Aids and adaptations</td>
<td>164</td>
<td>28.13 (5.11)</td>
<td>17</td>
<td>25.19 (9.39)</td>
<td>0.785</td>
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</table>

## Total costs by time period

<table>
<thead>
<tr>
<th>Time period</th>
<th>Count</th>
<th>Costs</th>
<th>Average</th>
<th>Median</th>
<th>SD</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3 months</td>
<td>256</td>
<td>11303.64 (324.96)</td>
<td>27</td>
<td>12345.8 (961.4)</td>
<td>0.312</td>
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</tr>
<tr>
<td>0-6 months</td>
<td>192</td>
<td>12303.94 (407.4)</td>
<td>24</td>
<td>15598.37 (1880.92)</td>
<td>0.099*</td>
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</tr>
<tr>
<td>0-9 months</td>
<td>153</td>
<td>13350.3 (516.89)</td>
<td>20</td>
<td>16105.85 (2317.87)</td>
<td>0.259</td>
<td></td>
</tr>
<tr>
<td>0-12 months</td>
<td>135</td>
<td>13905.05 (665.81)</td>
<td>16</td>
<td>15147.28 (1746.86)</td>
<td>0.514</td>
<td></td>
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</tbody>
</table>

*Statistically significant at 5% significance level
Table S2 – Estimates of mean costs and QALY difference for patients in with deep versus no deep SSI generated from multivariate analysis adjusting for baseline demographic and clinical variables based on analysis of complete cases.

<table>
<thead>
<tr>
<th>Economic outcome</th>
<th>Mean difference (95% CI)</th>
<th>p-value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>QALYS - EQ-5D-3L accrued over 12 months of follow-up1,2</td>
<td>-0.097 (-0.205, 0.012)</td>
<td>0.079</td>
</tr>
<tr>
<td>QALYS - SF-6D accrued over 12 months of follow-up1,2</td>
<td>-0.037 (-0.094, 0.020)</td>
<td>0.197</td>
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<tr>
<td>Total costs incurred for the period from 0 to 3 months after randomisation1</td>
<td>705.01 (-2136.62, 3546.63)</td>
<td>0.627</td>
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<tr>
<td>Total costs incurred for the period from 0 to 6 months after randomisation1</td>
<td>494.03 (-2735.01, 3723.16)</td>
<td>0.764</td>
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<tr>
<td>Total costs incurred for the period from 0 to 9 months after randomisation1</td>
<td>250.86 (-3418.29, 3920.02)</td>
<td>0.893</td>
</tr>
<tr>
<td>Total costs incurred for the period from 0 to 12 months after randomisation1</td>
<td>203.45 (-4253.58, 4660.48)</td>
<td>0.929</td>
</tr>
</tbody>
</table>

*statistically significant at 5% significance level
1 model covariates were age, gender, trial site, Gustilo-Anderson wound grade, diabetes, height, weight, smoker
2 In addition to the covariates in (1), measures of baseline utility were also included
95%CI = 95% confidence interval