

## Report Supplementary Material # 8: WP2c - Service use data cleaning assumptions

Assumptions had to be made regarding the responses on service use collected via the SCPQ in order to estimate resource use and costs. For transparency, these assumptions are listed in the Table below.

**Table 64: Assumptions taken when cleaning the data**

| Resource use/cost item                                          | Assumptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hospital outpatient visits</b>                               | 1. Where the number of visits was reported as a range, the midpoint of the range was used to estimate resource use. Only one observation at T0 reported a range (3-4 visits); it was assumed a resource use of 3.5 visits.                                                                                                                                                                                                                                                  |
| <b>Hospital elective overnight stays</b>                        | 2. If any response to how many nights spent in hospital over the past 2 months was greater than 60, the response was considered invalid and replace by a missing value. No observations exceed this value.                                                                                                                                                                                                                                                                  |
| <b>Hospital non-elective overnight stays</b>                    | 3. If any response to how many nights spent in hospital over the past 2 months was greater than 60, the response was considered invalid and replace by a missing value. Two observations were replaced with missing values based on this rule.                                                                                                                                                                                                                              |
| <b>Hospital post-elective stay transfer overnight stays</b>     | 4. It was assumed that if the individual had a valid response (Yes/No) to question "3. Over the past (...), have you had a planned (booked) hospital admission with an overnight stay?", and a missing response to question "3a. Were you transferred to another hospital to continue your recovery?" and subsequent questions on planned transfers were missing, then no planned transfers had occurred.                                                                   |
| <b>Hospital post-non-elective stay transfer overnight stays</b> | 5. It was assumed that if the individual had a valid response (Yes/No) to question "4. Over the past (...), have you had an unplanned hospital admission with an overnight stay?", and a missing response to question "4a. Were you transferred to another hospital to continue your recovery?" and subsequent questions on planned transfers were missing, then no unplanned transfers had occurred.                                                                       |
| <b>Other hospital overnight stays</b>                           | 6. Where the number of nights was reported as a range, the midpoint of the range was used to estimate resource use. Only one observation at T0 reported a range (4-5 nights); it was assumed a resource use of 4.5 nights.<br>7. If any response to how many nights spent in hospital over the past 2 months was greater than 60, the response was considered invalid and replace by a missing value. One observation was replaced with a missing value based on this rule. |
| <b>GP appointments</b>                                          | 8. Where the number of appointments was reported as a range, the midpoint of the range was used to estimate resource use. Only one observation at T0 reported a range (3-4 appointments); it was assumed a resource use of 3.5 appointments.                                                                                                                                                                                                                                |
| <b>Therapist appointments</b>                                   | 9. Where the number of appointments was reported as a range, the midpoint of the range was used to estimate resource use. Only one observation at T0 reported a range (2-3 appointments); it was assumed a resource use of 2.5 appointments. Two observations at T1                                                                                                                                                                                                         |

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|                                                                  | reported a range (1-2 and 2-3 appointments for each observation); ); it was assumed a resource use of 1.5 and 2.5 appointments, respectively.                                                                                                                                                                                                                                                                                        |
| <b>Out of pocket costs of social care and voluntary services</b> | 10. It was assumed that if the questions on whether the individual had used the service was complete, but the subsequent question on whether they had paid anything for the service were missing, then no out of pocket cost had been incurred by the individual.                                                                                                                                                                    |
| <b>Out of pocket costs of meals</b>                              | 11. The amount reported to have been paid by the individual was assumed to refer to a cost per meal, for the purpose of costing this item                                                                                                                                                                                                                                                                                            |
| <b>Informal care hours</b>                                       | 12. Where the number of hours was reported as a range, the midpoint of the range was used to estimate resource use. Only one observation at T1 reported a range (8-10 hours); it was assumed a resource use of 9 hours.<br>13. Nonsensical replies to number of hours of informal care were replaced with missing values. Two observations at T1 reported a date rather than number of hours, and were replaced with missing values. |
| <b>Out of pocket costs of adaptations and equipment</b>          | 14. It was assumed that if the questions on whether the individual had had any adaptations done to their homes or equipment installed were complete, but the subsequent question on whether they had paid anything for those was missing, then no out of pocket cost had been incurred by the individual.                                                                                                                            |

T0, at entry to reablement; T1, at discharge from reablement.