Table S4. Overview of all used outcomes and outcome domains as well as primary outcomes and outcome domains in the 60 included randomized controlled trials and their frequency* of use.

| Variable                  | All RCTs (n=60) | Community (n=26) | Hospital (n=13) | Long-term care (n=13) | Other (n=8) |
|---------------------------|-----------------|------------------|-----------------|-----------------------|------------|
|                           | outcome|primary outcome | outcome|primary outcome | outcome|primary outcome | outcome|primary outcome | outcome|primary outcome |
| Body weight / BMI         | 45     | 30               | 19     | 10               | 9      | 7               | 13      | 12               | 4       | 1               |
| Dietary intake            | 37     | 18               | 17     | 5                | 5      | 3               | 12      | 10               | 3       |                 |
| Functional limitation     | 29     | 17               | 15     | 7                | 3      | 3               | 5       | 4                | 6       | 3               |
| Handgrip strength         | 28     | 14               | 15     | 5                | 5      | 2               | 6       | 6                | 2       | 1               |
| Body circumference        | 24     | 11               | 10     | 3                | 7      | 4               | 6       | 4                | 1       |                 |
| Malnutrition status       | 23     | 16               | 7      | 4                | 4      | 2               | 8       | 8                | 4       | 2               |
| Functional performance    | 20     | 9                | 13     | 6                | 4      | 1               | 2       | 2                | 1       |                 |
| Blood marker              | 19     | 9                | 8      | 2                | 2      | 2               | 5       | 4                | 4       | 1               |
| Quality of life           | 15     | 8                | 9      | 4                | 1      |                 | 4       | 3                | 1       | 1               |
| (Re)hospitalization       | 15     | 9                | 9      | 6                | 2      | 2               | 4       |                 | 1       | 1               |
| Muscle mass               | 13     | 9                | 6      | 4                | 4      | 3               | 1       | 1                | 2       | 1               |
| Cognition                 | 12     | 5                | 6      | 2                | 2      |                 | 2       | 2                | 2       | 1               |
| Mortality                 | 12     | 7                | 6      | 3                | 2      | 2               | 1       |                 | 3       | 2               |
| Skinfold                  | 9      | 5                | 4      | 1                | 3      | 3               | 1       | 1                | 1       | 1               |
| Depression                | 8      | 2                | 4      |                 | 2      |                 | 2       | 2                | 2       |                 |
| Length of stay            | 7      | 2                | 1      |                 | 4      | 2               | 2       |                 | 2       |                 |
| Care use                  | 6      | 3                | 4      | 1                | 1      |                 | 1       | 1                | 1       | 1               |
| Cost                      | 5      | 2                | 2      |                 | 2      | 2               | 1       |                 | 1       |                 |
| Fall                      | 4      | 1                | 3      | 1                |         |                 | 1       |                 |         |                 |
| Variable                        | 1 | 2 | 3 | 4 |
|--------------------------------|---|---|---|---|
| Pressure ulcer                 |   |   | 1 |   |
| Peak expiratory flow           |   | 1 |   |   |
| Appetite                       |   |   | 1 |   |
| Complication                   |   | 1 |   |   |
| Frailty                        |   |   | 1 |   |
| Physical activity              |   | 1 |   |   |
| Self-perceived health          |   |   | 1 |   |
| Acceptance intervention        |   |   | 1 |   |
| Adherence to intervention      |   |   | 1 |   |
| Adverse events                 |   |   |   |   |
| Antibiotic days                |   | 1 |   |   |
| Anxiety                        |   |   | 1 |   |
| Bone mineral density           |   | 1 |   |   |
| Calorie need                   | 1 |   |   |   |
| Chemo management               | 1 |   |   |   |
| Comorbidity                    | 1 |   |   |   |
| Diarrhea                       | 1 |   |   |   |
| Dietary satisfaction           | 1 |   |   |   |
| Discharge disposition          | 1 |   |   |   |
| Dysphagia severity             | 1 |   |   |   |
| Eating behaviour               | 1 |   |   |   |
| Eating disorder                | 1 |   |   |   |
| Feasibility intervention       | 1 |   |   |   |
| Grade 3-4 toxicities           |   |   | 1 |   |
| including severe infection     |   |   |   |   |
| Health lifestyle               |   |   | 1 |   |
| Health state                   |   | 1 |   |   |
| Item                                                      | 1 |   |   | 1 |   |   |
|-----------------------------------------------------------|---|---|---|---|---|---|
| Hunger                                                    |   |   |   |   |   |   |
| Hydration status                                         | 1 |   |   |   |   | 1 |
| Infection episodes                                       |   |   |   |   |   | 1 |
| Institutionalization                                     |   | 1 | 1 | 1 | 1 |   |
| Knowledge acquisition                                    |   |   |   |   |   | 1 |
| Mitochondrial ATP production                             |   | 1 | 1 | 1 | 1 |   |
| Nitrogen balance                                         | 1 | 1 |   | 1 | 1 |   |
| Number of prescribed drugs                               |   | 1 |   |   |   | 1 |
| Number of presentations to emergency                     | 1 | 1 |   | 1 | 1 |   |
| Prescription enteral of parental nutrition               |   |   |   |   |   | 1 |
| Program satisfaction                                     |   |   |   |   |   | 1 |
| Rehabilitation                                            |   | 1 |   |   | 1 | 1 |
| Registration forms                                       | 1 |   |   |   |   |   |
| Resting energy expenditure                               | 1 | 1 |   | 1 | 1 |   |
| Retention rate                                            | 1 | 1 |   |   |   | 1 |
| Self-satisfaction                                         | 1 |   |   |   |   |   |
| Total number diagnoses                                    | 1 | 1 |   |   |   | 1 |

* an empty cell indicates frequency 0.