Supplementary information for

**Identification of care tasks for the use of wearable transfer support robots – an observational study at nursing facilities using robots on a daily basis**

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## Supplementary Table 1. Code chart

| Major category | Middle category | Code: subcategory | Classification | Major category | Middle category | Code: subcategory | Classification |
|----------------|-----------------|-------------------|----------------|----------------|-----------------|-------------------|----------------|
| 1 Bathing / keeping clean / conditioning / changing clothes | 1 Bathing | 111 Bathing preparation | Direct care | 6 Social life support | 1 Events, club activities | 010 Events, club activities | Indirect care |
| | | 112 Bathing; verbal action, assistance, washing, etc. | | | 2 Telephone, FAX, E-mail, letter | 020 Telephone, FAX, E-mail, letter | |
| | | 113 Bathing cleanup | | | 3 Document creation | 030 Document creation | |
| | | 114 Wash and cleaning | | | 4 Corresponding to visitors | 040 Corresponding to visitors | |
| | | 115 Hair washing | | | 5 Movement when going out | 050 Movement when going out | Communication |
| 2 Wearing and cleaning | 1 Movement within the facility | 211 Preparation for movement within the facility | | | 6 Acts on the go | 060 Acts on the go | |
| | | 212 Movement within the facility | | | 7 Relationship with the community | 070 Relationship with the community | |
| | | 213 Movement within the facility | | | 8 Professional training / production activities | 080 Professional training / production activities | |
| 3 Hair washing | 2 Transfers | 221 Transfer preparation | | | 9 Social life training | 090 Social life training | |
| | | 222 Transfers; verbal action, assistance, watching, etc. | | | Other | 090 Other | |
| | | 223 Transfer cleanup | | | 100 Other | 100 Other | |
| | | 231 Preparation for getting up | | | 0 Other | 0 Other | |
| | | 232 Getting up; verbal action, assistance, watching, etc. | | | 099 Other | 099 Other | |
| | | 233 Getting up; cleaning up | | | 0999 Other | 0999 Other | |
| | | 241 Preparation for standing up | | | 10 Correspond with other units | 010 Correspond with other units | |
| | | 242 Standing up, verbal action, assistance, watching, etc. | | | 2 Correspond with other units | 020 Correspond with other units | |
| | | 243 Standing up; cleaning up | | | 3 Correspond with other units | 030 Correspond with other units | |
| | | 251 Preparation for other posture changes | | | 4 Corresponding to other units | 040 Corresponding to other units | |
| | | 252 Other posture changes; verbal action, assistance, watching, etc. | | | 5 Preparation for change of posture and position | 050 Preparation for change of posture and position | |
| | | 253 Other posture changes; cleaning up | | | 6 Preparation for change of posture | 060 Preparation for change of posture | |
| | | 261 Preparation for attaching / detaching assistance tools | | | 7 Preparation for change of posture | 070 Preparation for change of posture | |
| | | 262 Attaching/ detaching assistance tools: verbal action, assistance, watching, etc. | | | 8 Preparation for change of posture | 080 Preparation for change of posture | |
| | | 263 Attaching/ detaching assistance tools: cleaning up | | | 9 Preparation for change of posture | 090 Preparation for change of posture | |
| | | 300 Others | | | 0 Preparation for change of posture | 000 Preparation for change of posture | |
| 3 Meal assistance | 3 Getting up | 310 Cooking | Direct care | 7 Behavioral problems | 10 Correspond with other units | 010 Correspond with other units | Communication |
| | | 320 Serving / lower serving | | | 200 Behavioral problems | 020 Behavioral problems | |
| | | 330 Dishwashing and cleaning up dishes | | | 300 Therapeutic activities | 030 Therapeutic activities | |
| | | 340 Eating (meals / snacks) | | | 400 Social activities | 040 Social activities | |
| | | 350 Hydration | | | 500 Medical care | 050 Medical care | |
| | | 360 Others | | | 600 Social life training | 060 Social life training | |
| | | 390 Others | | | 700 Social life support | 070 Social life support | |
| 4 Toileting | 4 Standing up | 411 Preparation for urination | | | 800 Financial activities | 080 Financial activities | |
| | | 412 Urination; verbal action, assistance, watching, etc. | | | 900 Professional training / production activities | 090 Professional training / production activities | |
| | | 413 Urination cleanup | | | 0909 Professional training / production activities | 0909 Professional training / production activities | |
| | | 421 Defecation preparation | | | 0999 Professional training / production activities | 0999 Professional training / production activities | |
| | | 422 Defecation; verbal action, assistance, watching, etc. | | | 1000 Professional training / production activities | 1000 Professional training / production activities | |
| | | 423 Defecation cleanup | | | 0000 Professional training / production activities | 0000 Professional training / production activities | |
| | | 490 Others | | | 0009 Professional training / production activities | 0009 Professional training / production activities | |
| 5 Life support for independence | 5 Other posture changes | 490 Others | Direct care | 6 Social life support | 1 Bathing / keeping clean / conditioning / changing clothes | 011 Bathing / keeping clean / conditioning / changing clothes | Indirect care |
| | | 500 Laundry | | | 2 Moving / transfers / changing position | 021 Moving / transfers / changing position | |
| | | 510 Laundry | | | 3 Meal assistance | 031 Meal assistance | |
| | | 520 Cleaning and garbage disposal | | | 4 Toileting | 041 Toileting | |
| | | 530 Organizing | | | 5 Money management | 051 Money management | |
| | | 540 Food management | | | 6 Door locking, fire extinguishing, disaster prevention | 061 Door locking, fire extinguishing, disaster prevention | |
| | | 550 Money management | | | 7 Awakening and sleeping | 071 Awakening and sleeping | |
| | | 560 Other daily life | | | 8 Other daily life | 081 Other daily life | |
| | | 590 Conversation including consultation, advice and guidance, and other communication | | | 9 Physical function training | 091 Physical function training | Medical care |
| | | 600 Others | | | 0919 Physical function training | 0919 Physical function training | |
| | | 610 Correspond with other units | | | 10 Business that is not directly related to the resident | 010 Correspond with other units | Various |
| | | 620 Correspond with other units | | | 1099 Correspond with other units | 01099 Correspond with other units | Others |