Appendix A: Mapping of data items to the ICF

Table 6: Dependency data groupings and data items across national aged and community care collections (ACAP, HACC Functional Dependency Instruments, CACP), the NCSDD, the NHDD, the ABS Survey of Disability, Ageing and Carers and the ICF

Grouping[1]	Item	ACAP	HACC Instrument (assessment)	HACC Instrument (screening)	CACP	NCSDD	NHDD[2]	ABS Disability Survey	ICF[2]
Mobility									**Chapter 4**
	Moving around in different locations (includes walking, at or away from home, and use of a wheelchair, walker, etc)	*	* indoors only	* walking only	*	* + using transportation	* (item: mobility)	* + walking up and down stairs	**d460 – d469**
	Changing and maintaining body position (includes transfers)	* + carrying, moving & handling objects	* transfer only		*	* + lifting & carrying objects		*	**d410 – d429**
	Moving around using transportation (includes public transport and driving)	*	*	*	* excludes driving	* + moving around in different locations (walking)		* excludes driving	**d430**
	Lifting and carrying objects	* + changing & maintaining body position			*	* + changing & maintaining body position		only bending and picking up objects	**d430**
Self-care		* (excludes health care tasks				*			**Chapter 5**
	Toileting		*		*		*	*	**d530**

(continued)

Table 6 (continued): Dependency data groupings and data items across national aged and community care collections (ACAP, HACC Functional Dependency Instruments, CACP), the NCSDD, the NHDD, the ABS Survey of Disability, Ageing and Carers and the ICF

Grouping[1]	Item	ACAP	HACC Instrument (assessment)	HACC Instrument (screening)	CACP	NCSDD	NHDD[2]	ABS Disability Survey	ICF[2]
Self-care	**Incontinence (urination)**		*		*		*	* and defecation	**b6202**
	Incontinence (defecation)		*		*		*	* and urination	**b5253**
	Washing oneself (includes bathing / showering)		*	*	*		*	*	**d510**
	Dressing		*		*		*	*	**d540**
	Eating		*		*		*	*	**d550**
	Maintaining one's health (includes taking medication)	* health care tasks	* medication only	* medication only				*	**d5702**
	Taking medication		*	*					**Not separately coded in the ICF**
Commun-ication		*			*	*			**Chapter 3**
	Communicating–receiving							*	**d310–d329**
	Communicating–producing							*	**d330–d349**

(continued)

Table 6 (continued): Dependency data groupings and data items across national aged and community care collections (ACAP, HACC Functional Dependency Instruments, CACP), the NCSDD, the NHDD, the ABS Survey of Disability, Ageing and Carers and the ICF

Grouping[1]	Item	ACAP	HACC Instrument (assessment)	HACC Instrument (screening)	CACP	NCSDD	NHDD[2]	ABS Disability Survey	ICF[2]
Domestic life		* excludes shopping and meals				*			**Chapter 6**
	Shopping	* and various items such as banking, recreational activities, managing finances, etc	*	*					**d6200**
	Preparing meals	*	*					*	**d630**
	Doing housework	*	* excludes ironing	*				*	**d640**
	Caring for household objects (includes home maintenance & gardening)	*						* only property maintenance and gardening	**d650**
	Paperwork / money management		*	*				*	**Not separately coded in the ICF**

(continued)

Table 6 (continued): Dependency data groupings and data items across national aged and community care collections (ACAP, HACC Functional Dependency Instruments, CACP), the NCSDD, the NHDD, the ABS Survey of Disability, Ageing and Carers and the ICF

Grouping[1]	Item	ACAP	HACC Instrument (assessment)	HACC Instrument (screening)	CACP	NCSDD	NHDD[2]	ABS Disability Survey	ICF[2]
Behaviour				*				Mental and behavioural disorders	**Not separately coded in the ICF**
	Problem wandering or intrusive behaviour		*						
	Verbally disruptive or noisy		*						
	Physically aggressive		*						
	Emotional dependence		*						
	Danger to self or others		*						
Cognition				*				Mental and behavioural disorders	**Chapter 1**
	Orientation functions		*						**b114**
	Registration		*						**Not coded in the ICF**
	Sustaining attention and Simple calculation		*						**b1400 & b1720**
	Memory functions (Recall)		*						**b144**
	Mental functions of language		*						**b167**

* Indicates that an item measuring this activity is included in the data collection/instrument.

Notes

1. Items in the first and second column are all codes as described in the ICF, except where the contrary is indicated in the far right column.
2. Items in the NHDD are not defined.

Appendix B: Mapping of data items to the ICF (diagrammatic)

Figure 8: Mapping of data items in HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, and CACP to activity groups using the ICF classification of activities

Diagram 1

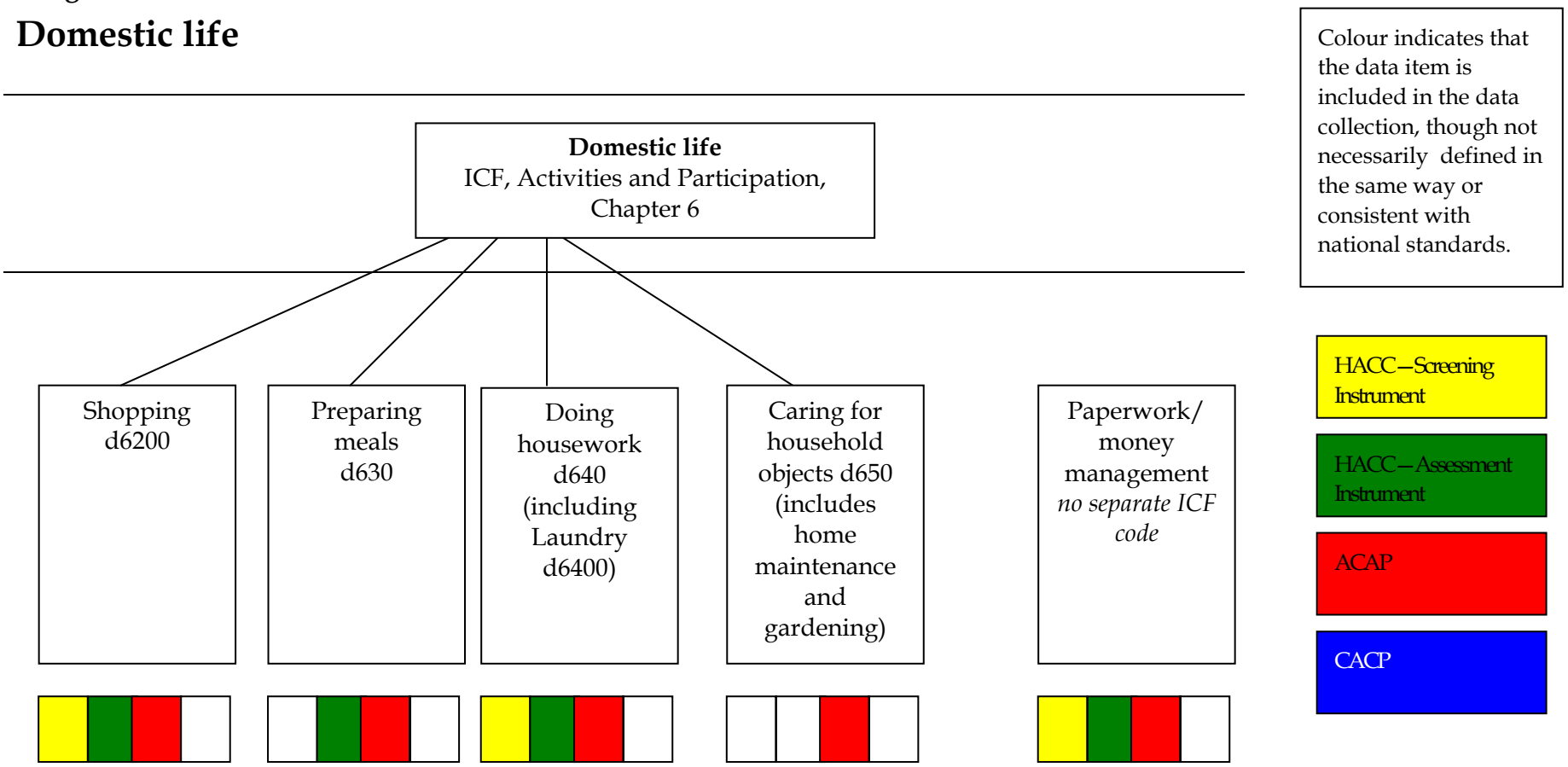
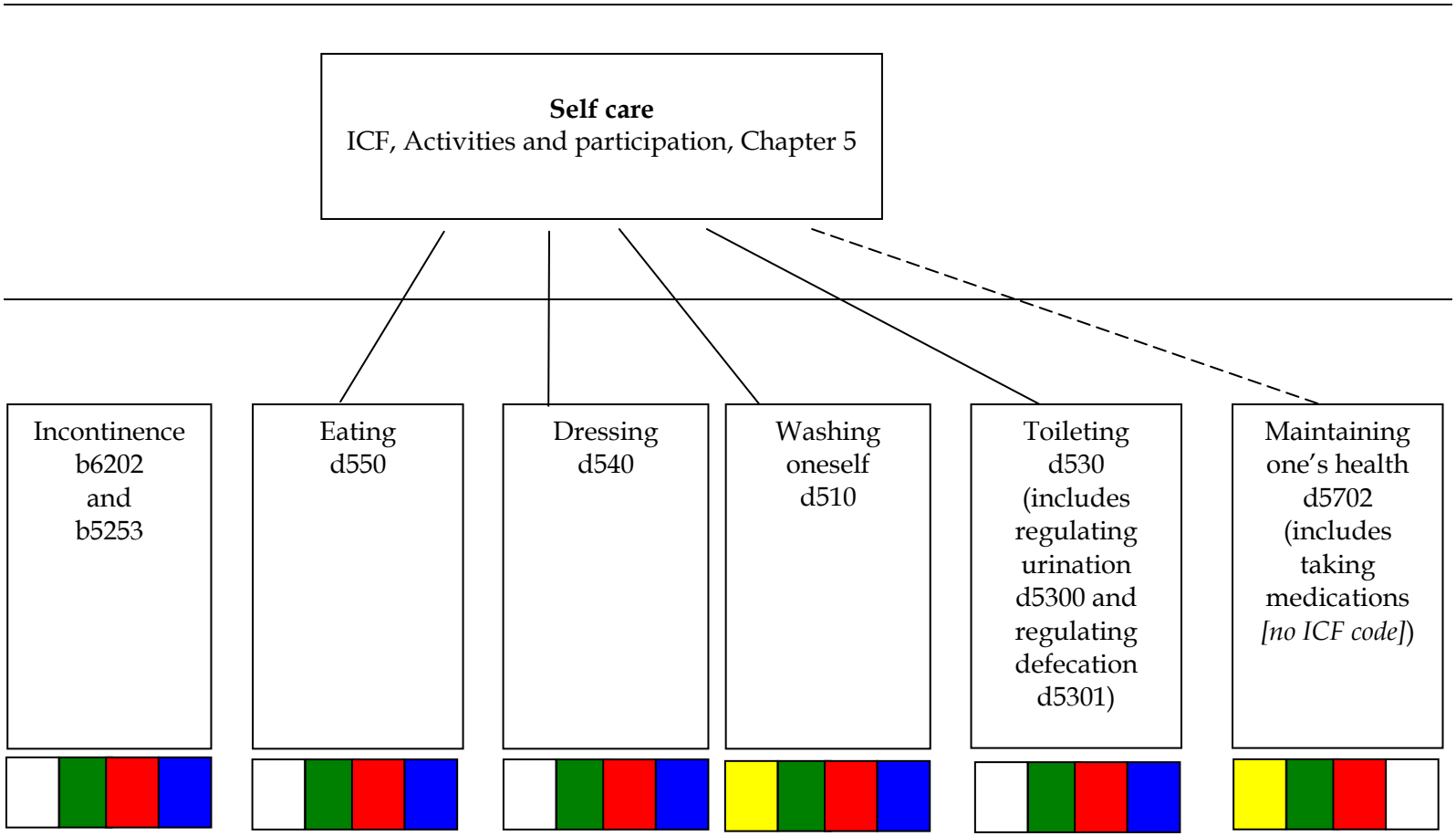


Diagram 2

Self-care



Colour indicates that the data item is included in the data collection, though not necessarily defined in the same way or consistent with national standards.

HACC—Screening Instrument

HACC—Assessment Instrument

ACAP

CACP

Diagram 3

Mobility

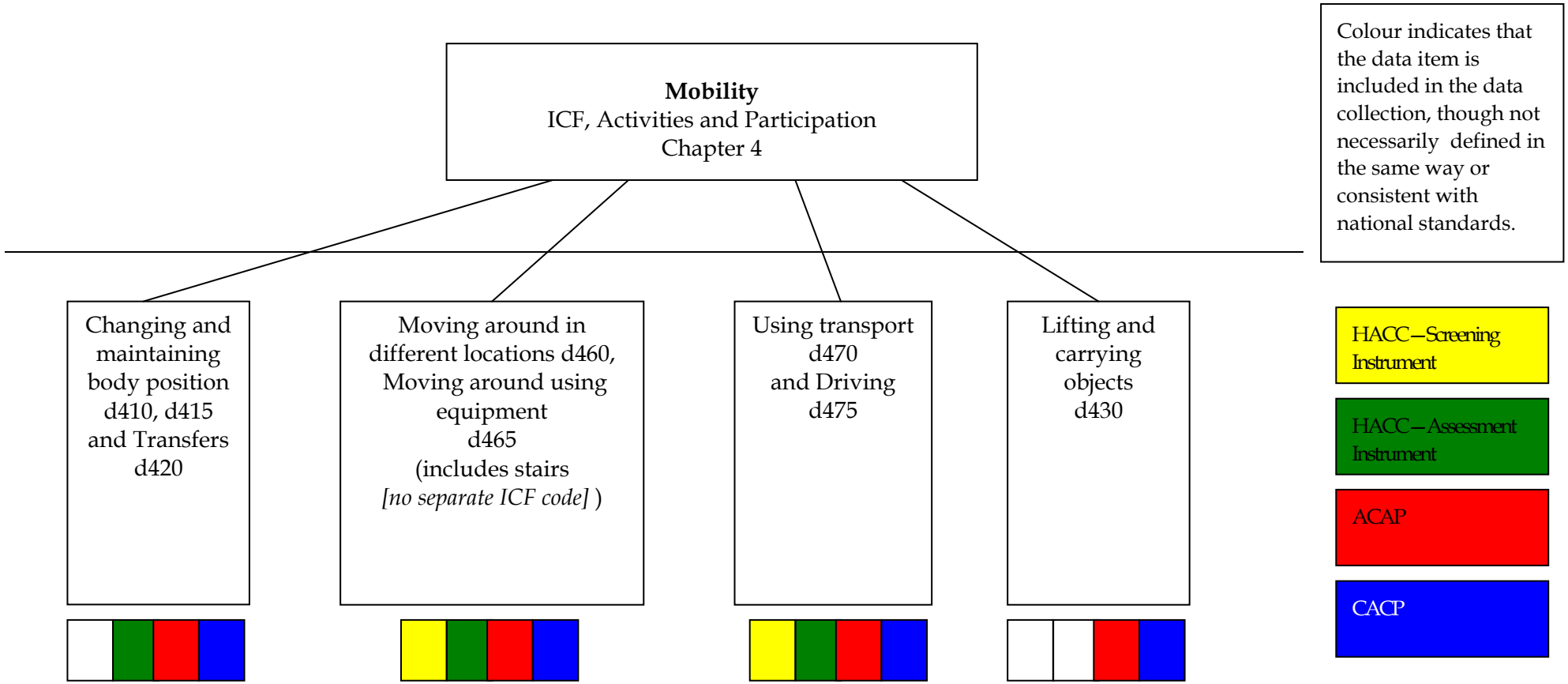


Diagram 4

Communication

Communication
ICF, Activities and participation
Chapter 3

Colour indicates that the data item is included in the data collection, though not necessarily defined in the same way or consistent with national standards.

HACC – Screening Instrument

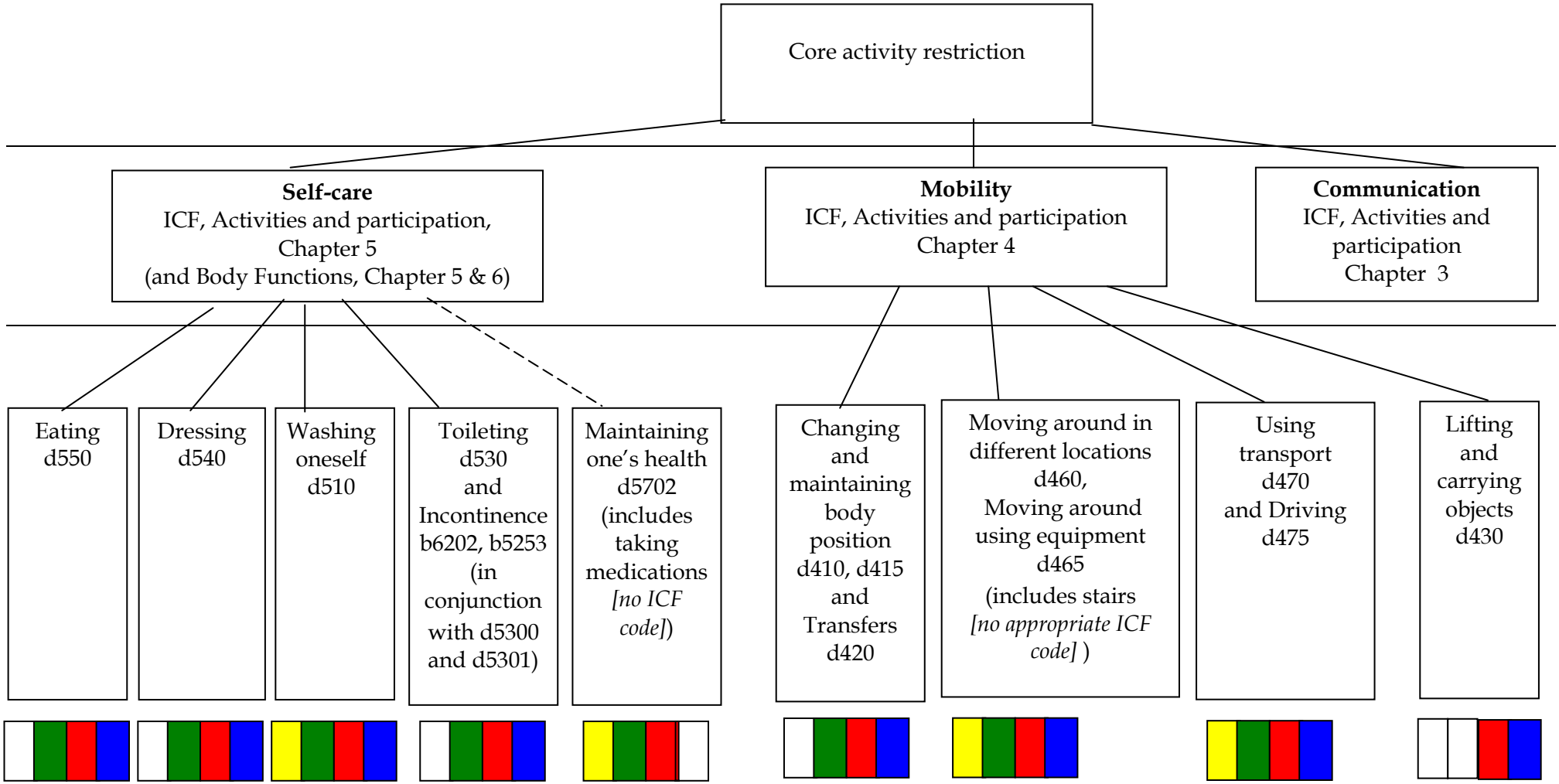
HACC – Assessment Instrument

ACAP

CACP

Diagram 5

Core activity restriction



Appendix C: National Community Services Information Model Version 1

National Community Services Information Model Version 1.0 (Modified)

Prepared by the Community Care and Community Health Unit

Australian Institute of Health and Welfare

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PARTY

- PERSON
- AGENCY

PARTY GROUP

- FAMILY
- HOUSEHOLD
- TARGET GROUP
- OTHER PARTY GROUP

NEED

PERSON PARTICIPATION/ INDEPENDENCE

CARE PLAN

ENVIRONMENT

- TOOLS AND EQUIPMENT
- PERSONAL SUPPORT
- SOCIAL AND CULTURAL ENVIRONMENT
- ECONOMIC AND POLITICAL ENVIRONMENT
- HUMAN-MADE PHYSICAL ENVIRONMENT
- NATURAL ENVIRONMENT

PARTY CHARACTERISTICS

PERSON CHARACTERISTICS

- DEMOGRAPHIC CHARACTERISTIC
- SOCIO-CULTURAL CHARACTERISTIC
- EDUCATIONAL CHARACTERISTIC
- LABOUR CHARACTERISTIC
- ACCOMMODATION/LIVING CHARACTERISTIC
- INCOME CHARACTERISTIC
- LEGAL CHARACTERISTIC
- IMPAIRMENT CHARACTERISTIC
- DISABILITY CHARACTERISTIC
- FUNCTIONAL CHARACTERISTIC
- OTHER PERSON CHARACTERISTIC

PARTY GROUP CHARACTERISTIC

FAMILY CHARACTERISTIC

- FAMILY INCOME CHARACTERISTIC
- OTHER FAMILY CHARACTERISTIC

HOUSEHOLD CHARACTERISTIC

- HOUSEHOLD INCOME CHARACTERISTIC
- OTHER HOUSEHOLD CHARACTERISTIC

- AGENCY CHARACTERISTIC
- STATE OF WELLBEING
- PERSON VIEW

EVENT

PERSON EVENT

- BIRTH EVENT
- LIFE EVENT
- DEATH EVENT

ENVIRONMENTAL EVENT

- ENVIRONMENTAL MODIFICATION EVENT

ECONOMIC TRANSACTION EVENT

- EXPENDITURE
- TRANSFER/SUBSIDY
- REVENUE/RECEIPT

COMMUNITY/FAMILY EVENT

- INFORMAL CARER ASSISTANCE EVENT
- INFORMAL CARE EVENT

HEALTH AND WELFARE SERVICE EVENT

- REFERRAL EVENT
- ASSESSMENT FOR ELIGIBILITY FOR SERVICE EVENT
- ENTRY INTO SERVICE EVENT
- ASSESSMENT EVENT
- SERVICE PROVISION EVENT
- CASE MANAGEMENT EVENT
- LEAVE FROM SERVICE EVENT
- EXIT/DISCHARGE FROM SERVICE EVENT
- DETERMINATION OF LEGAL STATUS EVENT
- OTHER HEALTH AND WELFARE EVENT

- OTHER EVENT

SERVICE

- FEE STRUCTURE
- ACTIVITY

ENABLING FACTORS

- RESOURCE
- KNOWLEDGE FACTOR
- AVAILABILITY FACTOR
- ACCESSIBILITY FACTOR

PARTY ROLE

PERSON ROLE

- CITIZEN ROLE
- FAMILY RELATIONSHIP ROLE
- CARER ROLE
- RECIPIENT ROLE
- SERVICE PROVIDER ROLE (person)

AGENCY ROLE

- SERVICE PROVIDER ROLE (AGENCY)
- SERVICE FUNDER ROLE
- SERVICE PURCHASER ROLE

- OTHER ROLE

HEALTH AND WELFARE SERVICE PROGRAM

OUTCOME

LOCATION

- ADDRESS

SETTING

- SERVICE DELIVERY SETTING
- OTHER SETTING

BUSINESS FACTORS

BUSINESS STATEMENT

- HEALTH AND WELFARE POLICY/ PLAN

HEALTH AND WELFARE POLICY/PLAN ELEMENT

- VISION/MISSION
- GOAL/OBJECTIVE
- PRIORITY
- PERFORMANCE INDICATOR
- OTHER POLICY/PLAN ELEMENT

- BUSINESS PROGRAM

BUSINESS AGREEMENT

- FUNDING AGREEMENT
- EMPLOYMENT
- OTHER AGREEMENT

PERFORMANCE GOAL

- BENCHMARK
- STANDARD

Appendix D: Mapping of data items to ‘Need for personal assistance’

Table 7: Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Incontinence (ICF codes b6202 and b5253)									
Collection	HACC—Screening Instrument	HACC—Assessment Instrument		ACAP	CACP	ABS	NHDD		NCSDD
Data item/sub-item		Self-care—Bowels	Self-care—Bladder	Activity limitations—Self-care	Core activity limitations—Managing incontinence	Core activity restriction— Self-care—Level of assistance needed with bladder or bowel control	Dependency in activities of daily living—Bladder continence	Dependency in activities of daily living—Bowel continence	Activity areas—Self-care activities
Data domain		**0** Incontinent (or needs to be given enema) **1** Occasional accident (once per week) **2** Continent	**0** Incontinent, or catheterised and unable to manage **1** Occasional accident (max once per 24 hours) **2** Continent (includes persons with catheter who can completely manage the catheter)	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Has no difficulty with bladder or bowel control	A person's ability to carry out activities of daily living without assistance. **1** Continent of urine (includes independence in use of device) **2** Incontinent less than daily **3** Incontinent once per 24 hour period **4** Incontinent 2–6 times per 24 hour period **5** Incontinent more than 6 times per 24 hour period **6** Incontinent more than once at night only	A person's ability to carry out activities of daily living without assistance. **1** Continent of faeces (includes independence in use of device) **2** Incontinent less than daily **3** Incontinent once per 24 hour period **4** Incontinent regularly, more than once per 24 hour period **5** Incontinent more than once at night only	
Map to 'Need for personal assistance'					Need No need	1 and 2 Need 3 and 4 No need			
Comments		Dependence on personal assistance can be identified if used in conjunction with the item 'toileting'.	Dependence on personal assistance can be identified if used in conjunction with the item 'toileting'.	Incontinence is included in self care but not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.		Dependence on personal assistance cannot be identified.	Dependence on personal assistance can be identified if used in conjunction with the item 'toileting'.	Used in conjunction with Activity—level of difficulty and Assistance with activity. Cannot separately identify managing incontinence.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Eating (ICF code d550)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item		Self-care—Feeding	Activity limitations—Self-care	Core activity limitations—Eating	Self care—Level of assistance needed with eating	Dependency in activities of daily living—Eating	Activity areas—Self-care activities
Data domain		**0** Unable **1** Needs help cutting, spreading butter etc. **2** Independent (food provided in reach). Able to eat any normal food (not only soft food). Food cooked and served by others. But not cut up.	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Has no difficulty eating	A person's ability to carry out activities of daily living without assistance. **1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent) **5** Tube-fed only	
Map to 'Need for personal assistance'		0, 1 Need 2 No need		Need No need	1 and 2 Need 3 and 4 No need	2,3,4,5 Need 1 No need	
Comments			Eating is included in self-care but not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.			Used in conjunction with Activity—level of difficulty and Assistance with activity. Eating is included in self-care activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Washing oneself (ICF code d510)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 7	Self-care—Bathing (or showering)	Activity limitations—Self-care	Core activity limitations—Showering/bathing	Self-care—Level of assistance needed with showering or bathing	Dependency in activities of daily living—Bathing	Activity areas—Self-care activities
Data domain	2 Without help 1 With some help (e.g. need help getting into or out of the tub) 0 Completely unable to bathe self	**0** Dependent **1** Independent (or in shower)	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Has no difficulty with showering or bathing	A person's ability to carry out activities of daily living without assistance. **1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent)	
Map to 'Need for personal assistance'	0, 1 Need 2 No need	**0** Need **1** No need		Need No need	1 and 2 Need 3 and 4 No need	2,3,4 Need 1 No need	
Comments		Must get in and out unsupervised and wash self. Independent recorded only if unsupervised/unaided.	Bathing/showering is included in self-care but is not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.			Used in conjunction with Activity—level of difficulty and Assistance with activity. Bathing/showering is included in self-care activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Dressing (ICF code d540)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item		Self-care—Dressing	Activity limitations—Self-care	Core activity limitations—Dressing	Self-care—Level of assistance needed with dressing	Dependency in activities of daily living—Dressing	Activity areas—Self-care activities
Data domain		**0** Dependent **1** Needs help, but can do about half unaided **2** Independent (including buttons, zips, laces etc.)	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Has no difficulty with dressing	A person's ability to carry out activities of daily living without assistance. **1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent)	
Map to 'Need for personal assistance'		0, 1 Need 2 No need		Need No need	1 and 2 Need 3 and 4 No need	2,3,4 Need 1 No need	
Comments			Dressing is included in self-care but is not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.			Used in conjunction with Activity—level of difficulty and Assistance with activity. Dressing is included in self care activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Toileting (ICF code d530)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item		Self-care—Toilet use	Activity limitations—Self-care	Core activity limitations—Toiletting	Self-care—Level of assistance needed with toiletting	Dependency in activities of daily living—Toileting	Activity areas—Self-care activities
Data domain		**0** Dependent **1** Needs some help, but can do something alone **2** Independent (on and off, dressing, wiping). Should be able to reach toilet/commode, undress sufficiently, clean self, dress and leave.	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Has no difficulty with toiletting **5** Does not use toilet	A person's ability to carry out activities of daily living without assistance. **1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent)	
Map to 'Need for personal assistance'		0,1 Need 2 No need		Need No need	1 and 2 Need 3 and 4 No need	2,3,4 Need 1 No need	
Comments			Toiletting is included in self-care but is not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.			Used in conjunction with Activity—level of difficulty and Assistance with activity. Toiletting is included in self-care activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Maintaining one's health (ICF code d5702)							
Collection	HACC—Screening Instrument	HACC—Assessment instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item			Activity limitations—Health care tasks		Health care— Whether needs assistance with health care because of disability	Dependency in activities of daily living—Technical care	Activity areas—Self-care activities
Data domain			The help or supervision of another individual is needed.		**1** Needs assistance with health care **2** Does not need assistance with health care	1 No technical care requirements Otherwise time in minutes of technical care	
Map to 'Need for personal assistance'			Need No need		1 Need 2 No need	Need No need	
Comments			Includes taking medication, administering injections, dressing wounds, using medical machinery, manipulating muscles or limbs, taking care of feet. Includes the use of aids and equipment. Where independent use of aids then coded as independent.		Note that Health care is not included in Core activity limitations (Self-care, Mobility, Communication). Health care includes foot care, dressing wounds, taking medication or injections, using medical equipment and exercising.	Technical care includes medication administration (including injections), dressings and other procedures, venipuncture, monitoring of dialysis etc.	Used in conjunction with Activity—level of difficulty and Assistance with activity. Activities of looking after one's health are included in self-care activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Taking medications (no separate ICF code)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 4	Domestic functioning—Responsibility for own medications	Activity limitations—Health care tasks		Health care	Dependency in activities of daily living—Technical care	Activity areas—Self-care activities
Data domain	**2** Without help (in the right doses at the right time) **1** With some help (able to take medication if someone prepares it for you and/ or reminds you to take it) **0** Completely unable to take own medicines	**1** Is not capable of dispensing own medication **2** Takes responsibility if medication is prepared in advance in separate dosages **3** Responsible for taking medications in correct dosage at correct time	The help or supervision of another individual is needed.				
Map to 'Need for personal assistance'	0,1 Need 2 No need	1,2 Need 3 No need					
Comments			Taking medication is included in health care tasks but is not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.		Taking medication is included in a broader group with needing assistance to dress wounds, have injections, use medical equipment and exercise. Taking medication cannot be separately identified. Note that Health care is not included in Core activity limitations (Self-care, Mobility, Communication).	Technical care includes medication administration (including injections), dressings and other procedures, venipuncture, monitoring of dialysis etc. Taking medication cannot be separately identified.	Used in conjunction with Activity—level of difficulty and Assistance with activity. Taking medication is not specifically included. Activities of looking after one's health are included within the broader group of self-care activities.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Changing and maintaining body position (ICF code d410–d420)								
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD		NCSDD
Data item/sub-item		Self-care—Transfer from bed to chair and back	Activity limitations—Movement activities	Core activity limitations—Maintaining or changing body position; Getting in or out of a bed or a chair	Core activity restriction—Mobility—Level of assistance needed transferring to and from bed or chair	Dependency in activities of daily living—Bed mobility	Dependency in activities of daily living—Transferring	Activity areas—Movement activities
Data domain		**0** Unable—no sitting balance **1** Major help (one or two people, physical), can sit **2** Minor help (verbal or physical) **3** Independent	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Does not need help or supervision and has no difficulty **5** Does not get out of bed	**1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent)—a hoist is used **5** 2 persons physical assistance is required	**1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent) **5** Person is bedfast	
Map to 'Need for personal assistance'		0,1,2 Need 3 No need		Need No need	1,2,5 Need 3,4 No need	2,3,4,5 Need 1 No need	2,3,4,5 Need 1 No need	
Comments			Changing and maintaining body position and Getting in or out of a bed or chair are included in Movement activities but are not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.		Refers only to bed mobility and not to all activities of changing and maintaining body position.		Used in conjunction with Activity—level of difficulty and Assistance with activity. Changing and maintaining body position is included under movement activities but cannot be separately identified. Transferring is not specifically included in movement activities although it accords with the definition of activities included.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Moving around in different locations (ICF code d460)											
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS				NHDD	NCSDD
Data item/sub-item	Item 6	Self-care—Mobility	Self-care—Stairs	Activity limitations—Moving around places at or away from home	Core activity limitations—Walking and related activities	Mobility—Level of assistance needed with mobility away from place of residence	Mobility—Level of assistance needed moving about place of residence	Mobility—Ability to walk 200 metres	Mobility—Ability to walk up and down stairs without a handrail	Dependency in activities of daily living—Mobility	Activity areas—Activities of moving around
Data domain	**2** Can walk without help (except for a cane) **1** Can walk with some help from a person or with the use of a walker, or crutches etc **0** Are completely unable to walk	**0** Immobile **1** Wheelchair independent including corners etc. **2** Walks with help of one person (verbal or physical) **3** Independent (but may use any aid, e.g. stick)	**0** Unable **1** Needs help (verbal, physical, carrying aid) **2** Independent up and down	The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Does not need help or supervision and has no difficulty **5** Does not leave place of residence	**1** Always needs help or supervision because of disability **2** Sometimes needs help or supervision because of disability **3** Does not need help or supervision but has some difficulty **4** Does not need help or supervision and has no difficulty **5** Does not move about place of residence	**1** Cannot walk 200 metres **2** Can walk 200 metres but would take longer than other people the same age **3** Can easily walk 200 metres	**1** Not able to walk up and down stairs without a handrail **2** Has difficulty walking up and down stairs without a handrail **3** Has no difficulty walking up and down stairs without a handrail	**1** Independent **2** Requires observation or rare physical assistance **3** Cannot perform the activity without some assistance **4** Full assistance required (totally dependent)	
Map to 'Need for personal assistance'		0,2 Need 1,3 No need	0,1 Need 2 No need	Need No need	Need No need	1,2,5 Need 3,4 No need	1,2,5 Need 3,4 No need			2,3,4 Need 1 No need	
Comments	The need for personal assistance cannot be separately identified from the need for non-personal assistance, i.e. aids and equipment.	Refers to mobility indoors only, i.e. about the house or ward. Aids are included.	May carry any walking aid to be independent.	This category includes all walking and related activities, either at home or away from home. Mobility up and down stairs is not separately identified. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent. Includes moving around the home or away from home. Mobility up and down stairs is not separately identified.			Cannot identify need for personal assistance.	Cannot identify need for personal assistance.	Defined as walking, use of a walking aid or wheelchair. Includes the use of aids and equipment. Where independent use of aids then coded as independent. Mobility up and down stairs is not separately identified.	Used in conjunction with Activity—level of difficulty and Assistance with activity. Walking is included in activities of moving around but cannot be separately identified. Walking up and down stairs is not specifically included in activities of moving around; however, it could be considered to be an activity of Moving around in different locations. This category also includes the use of transportation.

Note: Moving around in different locations includes mobility using a wheelchair and walking up and down stairs. *(Continued)*

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Moving around using transportation (ICF code d470-d475)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 2	Domestic functioning—Mode of transportation	Activity limitations—Transport	Core activity limitations—Using public transport (e.g. buses, trains)	Core activity restriction—Mobility—Level of assistance needed to use public transport		Activity areas—Activities of moving around
Data domain	**2** Can get to places out of walking distance without help (can drive own car, or travel alone on buses or taxis) **1** Can get to places out of walking distance with some help (need someone to help or accompany) **0** Are completely unable to travel unless emergency arrangements are made for a specialised vehicle	**1** Requires manual assistance from more than 1 person or does not travel at all **2** Travel limited to taxi or automobile with assistance of one other person **3** Travels on public transportation when assisted or accompanied by another **4** Travels independently on public transportation or drives own car. Includes arranging own travel via taxi.	The help or supervision of another individual is needed with using public transport, getting to and from places away from home and driving.	The help or supervision of another individual is needed by the person.	**1** Cannot use any form of public transport **2** Can use public transport but needs help or supervision **3** Can use public transport, needs no help but has difficulty **4** Can use public transport, needs no help and has no difficulty **5** Does not leave home		
Map to 'Need for personal assistance'	0,1 Need 2 No need	1,2,3 Need 4 No need	Need No need	Need No need	1,2,5 Need 3,4 No need		
Comments	Includes driving	Includes driving	Includes driving Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent. Driving is not included.	Driving is not included		Used in conjunction with Activity—level of difficulty and Assistance with activity. Using transportation is included but cannot be separately identified. This category also includes walking and related activities.

(Continued)

Table 7(continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Lifting and carrying objects (ICF code d430)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item			Activity limitations—Movement activities	Core activity limitations—Carrying, moving and manipulating objects related to the tasks of daily living			Activity areas—Movement activities
Data domain			The help or supervision of another individual is needed.	The help or supervision of another individual is needed by the person.			
Map to 'Need for personal assistance'				Need No need			
Comments			Carrying, moving and manipulating objects is included in Movement activities but is not separately identifiable. Includes the use of aids and equipment. Where independent use of aids then coded as independent.	Includes the use of aids and equipment. Where independent use of aids then coded as independent.			Used in conjunction with Activity—level of difficulty and Assistance with activity. Carrying, moving and manipulating objects is included in movement activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Communication (ICF Chapter 3, Activities and Participation)								
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS		NHDD	NCSDD
Data item/sub-item			Activity limitations—Communication	Core activity limitations—Understanding others or making oneself understood by others	Core activity restriction—Communication—Level of communication restriction	Core activity restriction—Communication—Level of need for assistance		Activity areas—Communication activities
Data domain			The help or supervision of another individual is needed.	The help or supervision of another individual is needed.	**1** Profound communication restriction **2** Severe communication restriction **3** Moderate communication restriction **4** Mild communication restriction **5** No communication restriction	**1** Always needs assistance because of disability **2** Sometimes needs assistance because of disability **3** Does not need assistance but has some difficulty **4** Does not need assistance and has no difficulty **5** Too young		
Map to 'Need for personal assistance'			Need No need	Need No need	1,2 Need 3,4,5 No need	1,2 Need 3,4, No need		Need No need
Comments			Includes understanding others, making oneself understood by others. The independent use of aids and equipment and assistance from interpreters is coded as independent.	Includes understanding others, making oneself understood by others. The independent use of aids and equipment and assistance from interpreters is coded as independent.		Includes the following each of which can be separately identified: Understanding someone does not know Understanding family and friends Being understood by someone does not know Being understood by family and friends		Used in conjunction with Activity—level of difficulty and Assistance with activity.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Shopping (ICF code d6200)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 3	Domestic functioning—Shopping	Activity limitations—Activities involved in social and community participation				Activity areas—Domestic activities
Data domain	Can go out for shopping for groceries or clothes (assuming the person has transportation): **2** Without help (taking care of all shopping needs) **1** With some help (needs someone accompanying on all shopping trips) **0** Completely unable to do any shopping	**1** Completely unable to shop **2** Needs to be accompanied on any shopping trip **3** Shops independently for small purchases **4** Takes care of all shopping needs independently	The help or supervision of another individual is needed.				
Map to 'Need for personal assistance'	0,1 Need 2 No need	1,2,3 Need 4 No need					
Comments	Excludes transportation	Excludes transportation	Shopping is included but not separately identified. Includes the use of aids and equipment. Where independent use of aids then coded as independent.				Used in conjunction with Activity—level of difficulty and Assistance with activity. Shopping is included in domestic activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Preparing meals (ICF code d630)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item		Domestic functioning—Food preparation	Activity limitations—Meals		Need for assistance—Whether needs assistance with meal preparation because of disability or age		Activity areas—Domestic activities
Data domain		**1** Needs to have meals prepared and served **2** Heats and serves prepared meals, or prepares meals but does not maintain adequate diet **3** Prepares adequate meals if supplied with ingredients **4** Plans, prepares, serves adequate meals independently	The help or supervision of another individual is needed with meals, including the delivery of prepared meals, help with meal preparation, and managing basic nutrition.		**1** Needs assistance with meal preparation **2** Does not need assistance with meal preparation		
Map to 'Need for personal assistance'		1,2,3 Need 4 No need	Need No need		1 Need 2 No need		
Comments			Includes the use of aids and equipment. Where independent use of aids then coded as independent.				Used in conjunction with Activity—level of difficulty and Assistance with activity. Preparing meals is included in domestic activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Doing housework (ICF code d640)								
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	HACC—Assessment instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 1	Domestic functioning—Housekeeping	Domestic functioning—Laundry	Activity limitations—Domestic assistance		Need for assistance—Whether needs assistance with housework because of disability or age		Activity areas—Domestic activities
Data domain	**2** Can do housework without help **1** Can do housework with some help **0** Completely unable to do housework	**1** Does not participate in any housekeeping tasks **2** Performs some light daily tasks but not at a level necessary to maintain an acceptable standard of cleanliness **3** Performs light daily tasks **4** Maintains house independently	**1** All laundry must be done by others **2** Launders small items **3** Does personal laundry but needs help with heavier items such as bedding and towels **4** Does laundry completely	The help or supervision of another individual is needed with household chores such as washing, ironing, cleaning and formal linen services.		**1** Needs assistance with housework **2** Does not need assistance with housework		
Map to 'Need for personal assistance'	0,1 Need 2 No need	1,2,3 Need 4 No need	1,2,3 Need 4 No need	Need No need		**1** Need **2** No need		
Comments	Activities included under housework are not clearly defined.			Includes the use of aids and equipment. Where independent use of aids then coded as independent.				Used in conjunction with Activity—level of difficulty and Assistance with activity. Housework/laundry is included in domestic activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Caring for household objects (ICF code d650)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item			Activity limitations—Home maintenance		Need for assistance—Whether needs assistance with property maintenance because of disability or age		Activity areas—Domestic activities
Data domain			The help or supervision of another individual is needed.		**1** Needs assistance with property maintenance **2** Does not need assistance with property maintenance		
Map to 'Need for personal assistance'					1 Need 2 No need		
Comments			Includes the use of aids and equipment. Where independent use of aids then coded as independent.		Includes Changing light bulbs, tap washers, care registration stickers, Making minor home repairs, Mowing lawns, watering, pruning shrubs, light weeding, planting, removing rubbish.		Used in conjunction with Activity—level of difficulty and Assistance with activity. Caring for household objects is included in domestic activities but cannot be separately identified.

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Paperwork/money management (no separate ICF code)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 5	Domestic functioning—Ability to handle finances	Activity limitations—Activities involved in social and community participation		Assistance—Paperwork		
Data domain	**2** Handle own money without help (write cheques, pay bills etc.) **1** Handle own money with some help **0** Completely unable to handle money	**1** Incapable of handling money **2** Manages day-to-day purchases, but needs help with banking, major purchases etc. **3** Manages financial matters independently	The help or supervision of another individual is needed.		**1** Needs assistance with paperwork **2** Does not need assistance with paperwork		
Map to 'Need for personal assistance'	0,1 Need 2 No need	1,2 Need 3 No need			1 Need 2 No need		
Comments			Paperwork/money management is included but is not separately identified.		Includes checking bills/bank statements, writing letters, filling in forms.		

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Managing behaviour (no separate ICF code or chapter)							
Collection	HACC—Screening Instrument	HACC—Assessment Instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 9	Behavioural assessment			Guidance—Whether needs assistance to manage behaviour because of disability	Dependency in activities of daily living—Extra surveillance	
Data domain	Does the person have behavioural problems, e.g. aggression, wandering, agitation? **2** No **0** Yes	**1** Requires monitoring for recurrence and supervision **2** Requires monitoring for recurrence and then supervision on less than a daily basis **3** Requires monitoring but not regular supervision **4** Does not require monitoring			**1** Needs assistance to manage behaviour **2** Does not need assistance to manage behaviour	**1** No additional attention required **2** Less than 30 minutes individual attention per day **3** Between 30 and 90 minutes individual attention per day **4** Requires at least 2 hours intervention per week on an episodic basis **5** More than 90 minutes but less than almost constant individual attention **6** Requires almost constant individual attention **7** Cannot be left alone at all	
Map to 'Need for personal assistance'		1,2,3 Need 4 No need			1 Need 2 No need		
Comments		Includes the following which can each be separately identified: Problem wandering or intrusive behaviour Verbally disruptive or noisy Physically aggressive Emotional dependence Danger to self or others			This question only relates to persons with a disability aged 14 years or less, or persons living in cared accommodation. Therefore information is not available for the whole population.	Extra surveillance includes both behavioural and cognitive functions. Extra surveillance refers to behaviour which requires individual attention and/or planned intervention including: • aggressiveness • wandering • impaired memory or attention • disinhibition and other cognitive impairment.	

(Continued)

Table 7 (continued): Mapping of data items: HACC Functional *Screening* Instrument, HACC Functional *Assessment* Instrument, ACAP, CACP, ABS Survey of Disability, Ageing and Carers 1998, NHDD, NCSDD

Cognition (Learning and applying knowledge, ICF Chapter 1, Activities and Participation)							
Collection	HACC—Screening instrument	HACC—Assessment instrument	ACAP	CACP	ABS	NHDD	NCSDD
Data item/sub-item	Item 8	Cognitive assessment				Dependency in activities of daily living—Extra surveillance	Activity areas—Activities of learning and applying knowledge
Data domain	Does the person have any memory problems or get confused? **2** No **0** Yes	Series of questions.				**1** No additional attention required **2** Less than 30 minutes individual attention per day **3** Between 30 and 90 minutes individual attention per day **4** Requires at least 2 hours intervention per week on an episodic basis **5** More than 90 minutes but less than almost constant individual attention **6** Requires almost constant individual attention **7** Cannot be left alone at all	
Map to 'Need for personal assistance'							Need No need
Comments		Includes: • orientation • registration • attention and calculation • recall • language Cannot identify need for personal assistance.				Extra surveillance includes both behavioural and cognitive functions. Extra surveillance refers to behaviour which requires individual attention and/or planned intervention including: • aggressiveness • wandering • impaired memory or attention • disinhibition and other cognitive impairment.	Used in conjunction with Activity—level of difficulty and Assistance with activity.

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