

C-HOBIC TO ICNP[®] MAPS

The mapping of C-HOBIC to ICNP[®] is provided in the following tables. There are nine sections to the C-HOBIC instrument. The C-HOBIC outcomes are mapped to the ICNP[®] outcomes with a unique identifier (ICNP[®] code). Although nurses using C-HOBIC do not need to understand or use the ICNP[®] codes, these are provided for use in the EHR data dictionaries and datasets.

In addition there are value sets for more specific qualifiers in C-HOBIC. These value sets are captured by the corresponding number provided by C-HOBIC. For example, the outcome “impaired ability to bath” has the ICNP[®] unique identifier = 10000956. C-HOBIC also provides further description of impaired ability to bath, such as “set up help only” or “maximal assistance” with respective values e.g. 1 or 5. The description is what the nurse will view or document against, and the value is for the EHR.

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Section 1: Functional status

Table 1. Functional status (ADL) terms for acute care domain

Functional status/ADL			
ADL Self-performance – assess for performance over full 24 hours, considering all occurrences of activity (interRAI AC:GI)			
C-HOBIC		ICNP®	
0	Independent	Positive ability	
1	Set-up help only	Negative ability	
2	Supervision	Negative ability	
3	Limited assistance	Negative ability	
4	Extensive assistance	Negative ability	
5	Maximal assistance	Negative ability	
6	Total dependence	Negative ability	
C-HOBIC		ICNP®	
Bathing	0	Positive ability to bath = 10028224	10028224 + 0
	1-6	Impaired ability to bath = 10000956	10000956 + 1, 2, 3, 4, 5, or 6
Personal hygiene	0	Positive ability to perform self hygiene = 10028708	10028708 + 0
	1-6	Impaired ability to perform self hygiene = 10000987	10000987 + 1, 2, 3, 4, 5, or 6
Walking	0	Positive ability to walk = 10028333	10028333 + 0
	1-6	Impaired ability to walk = 10001046	10001046 + 1, 2, 3, 4, 5, or 6
Transfer toilet	0	Positive ability to transfer = 10028322	10028322 + Location + 0
	1-6	Impaired ability to transfer = 10001005	10001005 + Location + 1, 2, 3, 4, 5, or 6
Toilet use	0	Positive ability to toilet self = 10028314	10028314 + 0
	1-6	Inability to toilet self = 10000994	10000994 + 1, 2, 3, 4, 5, or 6
Bed mobility	0	Positive bed mobility = 10029240	10029240 + 0
	1-6	Impaired bed mobility = 10001067	10001067 + 1, 2, 3, 4, 5, or 6
Eating	0	Positive ability to feed self = 10028253	10028253 + 0
	1-6	Impaired self feeding = 10000973	10000973 + 1, 2, 3, 4, 5, or 6

Table 2. Functional status (ADL) terms for complex continuing care and long term care domains

Functional status/ADL			
ADL Self-performance – Assess for resident’s performance over all shifts during last 7 days, not including setup. (MDS-2.0: G1A and G2A)			
C-HOBIC		ICNP®	
0	Independent	Positive ability	
1	Supervision	Negative ability	
2	Limited assistance	Negative ability	
3	Extensive assistance	Negative ability	
4	Total dependence	Negative ability	
C-HOBIC		ICNP®	
Bed mobility	0	Positive bed mobility = 10029240	10029240 + 0
	1-4	Impaired bed mobility = 10001067	10001067 + 1, 2, 3, or 4
Transfer	0	Positive ability to transfer = 10028322	10028322 + 0
	1-4	Impaired ability to transfer = 10001005	10001005 + 1, 2, 3, or 4
Walk in room	0	Positive ability to walk = 10028333	10028333 + Location + 0
	1-4	Impaired ability to walk = 10001046	10001046 + Location + 1, 2, 3, or 4
Walk in corridor	0	Positive ability to walk = 10028333	10028333 + Location + 0
	1-4	Impaired ability to walk = 10001046	10001046 + Location + 1, 2, 3, or 4
Locomotion on unit	0	Positive ability to mobilise = 10028461	10028461 + Location + 0
	1-4	Impaired ability to mobilise = 10001219	10001219 + Location + 1, 2, 3, or 4
Locomotion off unit	0	Positive ability to mobilise = 10028461	10028461 + Location + 0
	1-4	Impaired ability to mobilise = 10001219	10001219 + Location + 1, 2, 3, or 4
Dressing	0	Positive ability to dress = 10028211	10028211 + 0
	1-4	Impaired ability to dress = 10027578	10027578 + 1, 2, 3, or 4

Functional status/ADL			
ADL Self-performance – assess for resident’s performance over all shifts during last 7 days, not including setup. (MDS-2.0: G1A and G2A)			
C-HOBIC		ICNP®	
Eating	0	Positive ability to feed self = 10028253	10028253 + 0
	1-4	Impaired self feeding = 10000973	10000973 + 1, 2, 3, or 4
Toilet use	0	Positive ability to toilet self = 10028314	10028314 + 0
	1-4	Inability to toilet self = 10000994	10000994 + 1, 2, 3, or 4
Personal hygiene	0	Positive ability to perform self hygiene = 10028708	10028708 + 0
	1-4	Impaired ability to perform self hygiene = 10000987	10000987 + 1, 2, 3, or 4

Table 3. Functional status (ADL) terms for home care domain

Functional status/ADL			
Assess for resident’s performance over all shifts during last 7 days, not including setup (RAI:HC H2)			
C-HOBIC		ICNP®	
0	Independent	Positive ability	
1	Set-up help only	Negative ability	
2	Supervision	Negative ability	
3	Limited assistance	Negative ability	
4	Extensive assistance	Negative ability	
5	Maximal assistance	Negative ability	
6	Total dependence	Negative ability	
C-HOBIC		ICNP®	
Bed mobility	0	Positive bed mobility = 10029240	10029240 + 0
	1-6	Impaired bed mobility = 10001067	10001067 + 1, 2, 3, 4, 5, or 6
Transfer	0	Positive ability to transfer = 10028322	10028322 + 0
	1-6	Impaired ability to transfer = 10001005	10001005 + 1, 2, 3, 4, 5, or 6
Locomotion in home	0	Positive ability to mobilise = 10028461	10028461 + Location + 0
	1-6	Impaired ability to mobilise = 10001219	10001219 + Location + 1, 2, 3, 4, 5, or 6

Functional status/ADL			
Assess for resident's performance over all shifts during last 7 days, not including setup (RAI:HC H2)			
C-HOBIC		ICNP [®]	
Locomotion outside of home	0	Positive ability to mobilise = 10028461	10028461 + Location + 0
	1-6	Impaired ability to mobilise = 10001219	10001219 + Location + 1, 2, 3, 4, 5, or 6
Dressing upper body	0	Positive ability to dress = 10028211 + upper body = 10029293	10028211 + 10029293 + 0
	1-6	Impaired ability to dress = 10027578 + upper body = 10029293	10027578 + 10029293 + 1, 2, 3, 4, 5, or 6
Dressing lower body	0	Positive ability to dress = 10028211 + lower body = 10029303	10028211 + 10029303 + 0
	1-6	Impaired ability to dress = 10027578 + lower body = 10029303	10027578 + 10029303 + 1, 2, 3, 4, 5, or 6
Eating	0	Positive ability to feed self = 10028253	10028253 + 0
	1-6	Impaired self feeding = 10000973	10000973 + 1, 2, 3, 4, 5, or 6
Toilet use	0	Positive ability to toilet self = 10028314	10028314 + 0
	1-6	Inability to toilet self = 10000994	10000994 + 1, 2, 3, 4, 5, or 6
Personal hygiene	0	Positive ability to perform self hygiene = 10028708	10028708 + 0
	1-6	Impaired ability to perform self hygiene = 10000987	10000987 + 1, 2, 3, 4, 5, or 6
Bathing	0	Positive ability to bath = 10028224	10028224 + 0
	1-6	Impaired ability to bath = 10000956	10000956 + 1, 2, 3, 4, 5, or 6

Table 4. Instrumental activities of daily living (IADL) for home care

IADL for home care			
IADL self-performance – assess for client's performance during last 7 days (RAE-HC:HI)			
CHOBIC		ICNP [®]	
0	Independent – did on own	Positive ability	
1	Some help – help some of the time	Negative ability	
2	Full help – performed with help all of the time	Negative ability	
3	By others – performed by others	Negative ability	
C-HOBIC		ICNP [®]	
Meal preparation	0	Ability to prepare meal	10030137 + 0
	1-3	Impaired ability to prepare meal	10029650 + 1, 2, or 3
Ordinary housework	0	Ability to perform homemaking	10028248 + 0
	1-3	Impaired homemaking	10000925 + 1, 2, or 3
Managing finances	0	Ability to manage finances	10034547 + 0
	1-3	Impaired ability to manage finances	10034552 + 1, 2, or 3
Managing medications	0	Ability to manage medications	10029272 + 0
	1-3	Impaired ability to manage medications	10022635 + 1, 2, or 3
Phone use	0	Ability to communicate + telephone	10025025 + 10019539 + 0
	1-3	Impaired communication + telephone	10023370 + 10019539 + 1, 2, or 3
Shopping	0	Ability to perform shopping	10034575+ 0
	1-3	Impaired ability to perform shopping	10034581 + 1, 2, or 3
Transportation	0	Access to transportation	10034599 + 0
	1-3	Lack of transportation	100228522 + 1, 2, or 3

Section 2: Urinary continence

Table 5. Continence – acute care

C-HOBIC	ICNP®
0 Continent	Urinary continence = 10027836 + 0
1 Control with any catheter over 24 hours	Urinary continence + urinary catheter = 10027836 + 10020373 + 1
2 Control with an ostomy over 24 hours	Urinary continence + urostomy = 10027836 + 10020506 + 1
3 Infrequently incontinent	Urinary incontinence = 10025686 + 3
4 Frequently incontinent	Urinary incontinence = 10025686 + 4
5 Incontinent	Urinary incontinence = 10025686 + 5

Table 6. Continence CCC & LTC

C-HOBIC	ICNP®
0 Continent – complete control	Urinary continence = 10027836 + 0
1 Usually continent – incontinent episode once a week or less	Urinary incontinence = 10025686 + 1
2 Occasionally incontinent – 2+ /wk	Urinary incontinence = 10025686 + 2
3 Frequently incontinent	Urinary incontinence = 10025686 + 3
4 Incontinent	Urinary incontinence = 10025686 + 4

Table 7. Continence home care

C-HOBIC	ICNP®
0 Continent – complete control	Urinary continence = 10027836 + 0
1 Control with any catheter over 24 hours	Urinary continence + urinary catheter = 10027836 + 10020373 + 1
2 Control with an ostomy over 24 hours	Urinary continence + urostomy = 10027836 + 10020506 + 1
3 Usually continent – incontinent episode once a week or less	Urinary incontinence = 10025686 + 3
4 Occasionally incontinent – 2+ /wk	Urinary incontinence = 10025686 + 4
5 Frequently incontinent	Urinary incontinence = 10025686 + 5
6 Incontinent	Urinary incontinence = 10025686 + 6

Section 3: Pain

Table 8. Pain terms for acute care domain

Pain symptoms - assess for last 24 hours (Pain interRAI AC: J5a & b)		
	C-HOBIC	ICNP [®]
First identify pain symptoms	0 No pain 1 Present but not exhibited in last 24 hours 2 Exhibited in last 24 hours	No pain = 10029008 Pain = 10023130 + 1 Pain = 10023130 + 2
If pain exists (1 or 2), then rate the pain intensity level	0 - None 1 2 3 4 5 6 7 8 9 10 - Worst	

Table 9. Pain terms for complex continuing care and long term care domains

Pain (MDS 2.0: Jsa& b)		
	C-HOBIC	ICNP [®]
Frequency with which resident complains or shows evidence of pain. Assess for last 7 days	0 No pain 1 Pain less than daily 2 Pain daily	No pain = 10029008 Pain = 10023130 + 1 Pain = 10023130 + 2
Intensity of pain:	1 Mild pain 2 Moderate pain 3 Times when pain is horrible or excruciating	Pain = 10023130 + 1 Pain = 10023130 + 2 Pain = 10023130 + 3

Table 10. Pain terms for home care domain

Pain (RAI-HC: K4a & b)		
	C-HOBIC	ICNP [®]
Frequency with which resident complains or shows evidence of pain. Assess for last 7 days	0 No pain 1 Pain less than daily 2 Pain daily, one period 3 Pain daily, multiple periods	No pain = 10029008 Pain = 10023130 + 1 Pain = 10023130 + 2 Pain = 10023130 + 3
Intensity of pain:	0 No pain 1 Mild pain 2 Moderate pain 3 Severe 4 Times when pain is horrible or excruciating	No pain = 10029008 Pain = 10023130 + 1 Pain = 10023130 + 2 Pain = 10023130 + 3 Pain = 10023130 + 4

Section 4: Fatigue

Table 11. Fatigue terms for all domains

Fatigue Inability to complete normal daily activities – e.g., ADLs, IADLs - assess for last 24 hours (interRAI AC: J4) (interRAI LTCF: J4) (interRAI HC :J4)	
C-HOBIC	ICNP®
0 None	No fatigue = 10028921
1 Minimal—diminished energy but completes normal day-to-day activities	Fatigue = 10000695 + 1
2 Moderate—due to diminished energy, unable to finish normal day-to-day activities	Fatigue = 10000695 + 2
3 Severe—due to diminished energy, unable to start some normal day-to-day activities	Fatigue = 10000695 + 3
4 Unable to commence any normal day-to-day activities due to diminished energy	Fatigue = 10000695 + 4

Section 5: Dyspnoea

Table 12. Dyspnoea terms for all domains

Dyspnoea	
Assess for last 24 hours (acute care); 3 days (complex continuing care/long term care/home care) (interRAI AC: J3) (interRAI LTCF: J3) (interRAI HC: J3)	
C-HOBIC	ICNP [®]
0 Absence of symptom	No dyspnoea = 10029264
1 Absent at rest, but present when performed moderate activities	Functional dyspnoea = 10029414 + 1
2 Absent at rest, but present when performed normal day-to-day activities	Functional dyspnoea = 10029414 + 2
3 Present at rest	Resting dyspnoea = 10029422

Section 6: Nausea

Table 13. Nausea terms for all domains

Nausea	
Assess for last 24 hours (all practice domains) (C-HOBIC Scale)	
C-HOBIC	ICNP [®]
0 No nausea	No nausea = 10028984
1 Mild nausea: occasionally experienced but does not interfere with eating and/or activities	Nausea = 10000859 + 1
2 Moderate nausea: interferes somewhat with eating and/or some activities most days	Nausea = 10000859 + 2
3 Severe nausea: interferes daily with eating and/or activities	Nausea = 10000859 + 3
4 Incapacitating: remains in bed part of each day due to nausea and interferes with eating and activities	Nausea = 10000859 + 4

Section 7: Falls

Table 14. Falls terms for acute care domain

Falls (interRAI AC: J1)	
C-HOBIC	ICNP [®]
0 No fall in last 90 days	No fall = 10028909
1 No fall in last 30 days, but fell 31– 90 days ago	Fall = 10029405 + 1
2 One fall in last 30 days	Fall = 10029405 + 2
3 Two or more falls in last 30 days	Fall = 10029405 + 3

Table 15. Falls terms for complex continuing care and long term care domains

Falls (interRAI AC: J1 MDS 2.0:MI)	
C-HOBIC	ICNP [®]
0 No falls	No fall = 10028909
1 Fell in past 30 days	Fall = 10029405 + 1
2 Fell in past 31-180 days	Fall = 10029405 + 2

Table 16. Falls terms for home care domain

Falls Score: actual number of falls in last 90 days (RAI-HC: K5)	
C-HOBIC	ICNP [®]
0	No fall = 10028909
1	Fall = 10029405 + 1
2	Fall = 10029405 + 2
3	Fall = 10029405 + 3
4	Fall = 10029405 + 4
5	Fall = 10029405 + 5
6	Fall = 10029405 + 6
7	Fall = 10029405 + 7
8	Fall = 10029405 + 8
9	Fall = 10029405 + 9

Section 8: Pressure ulcers

Table 17. Pressure ulcer terms for long term care, complex continuing care & home cares

Pressure ulcer Record the number of ulcers at each stage – regardless of cause. If none present at a stage, code 0; code 9=9 or more. Code all that apply in last 7 days (MDS 2.0: MI) (RAI-HC: N2a)		
C-HOBIC	ICNP®	Number of ulcers*
No pressure ulcer	No pressure ulcer = 10029065 = 0	Value = 0
Stage 1 An area of persistent skin redness that does not disappear when pressure is relieved	Pressure ulcer = 10025798 + 1	Values = 0 through 20
Stage 2 A partial thickness loss of skin layers that presents clinically as an abrasion, blister or shallow crater	Pressure ulcer = 10025798 + 2	Values = 0 through 20
Stage 3 A full thickness of skin is lost, exposing the subcutaneous tissues – presents as a deep crater with or without undermining adjacent tissue	Pressure ulcer = 10025798 + 3	Values = 0 through 20
Stage 4 A full thickness of skin and subcutaneous exposing muscle or bone	Pressure ulcer = 10025798 + 4	Values = 0 through 20

*NOTE: Add field for “Number of ulcers”

Table 18. Pressure ulcer for acute care

Most severe pressure ulcer Record the most severe pressure at admission and discharge - regardless of cause.	
C-HOBIC	ICNP®
No pressure ulcer	No pressure ulcer = 10029065 + 0
Any area of persistent skin redness	Pressure ulcer = 10025798 + 1
Partial thickness loss of skin layers	Pressure ulcer = 10025798 + 2
Deep craters in skin	Pressure ulcer = 10025798 + 3
Breaks in skin exposing muscle or bone	Pressure ulcer = 10025798 + 4
Not codeable, e.g. necrotic eschar predominant	Pressure ulcer = 10025798 + 9

Section 9: Readiness for discharge

Table 19. Readiness for discharge terms for acute care domain

Readiness for discharge			
Indicate how much you are able to do each care related activity (Sidani & Doran)			
C-HOBIC		ICNP [®]	
0	Not at all	Negative ability	
1	Somewhat	Positive ability	
2	Very much	Positive ability	
8	Not applicable		
9	Not available		
C-HOBIC		ICNP [®]	
Knowledge of medications	0	Lack of knowledge of medication regime = 10021941	10021941 + 0
	1, 2	Positive knowledge of medication regime = 10023819	10023819 + 1 or 2
	8	Not applicable	10023819 + 8
	9	Not available	10023819 + 9
Know why you are taking your medications	0	Lack of knowledge of medication = 10025975	10025975 + 0
	1, 2	Positive knowledge of medication = 10025968	10025968 + 1 or 2
	8	Not applicable	10025968 + 8
	9	Not available	10025968 + 9
Ability to take medications as prescribed	0	Lack of ability to manage medication regime = 10022635	10022635 + 0
	1, 2	Positive ability to manage medication regime = 10029272	10029272 + 1 or 2
	8	Not applicable	10029272 + 8
	9	Not available	10029272 + 9
Ability to notice symptoms (changes in your body) related to your health	0	Lack of awareness of symptoms = 10028479	10028479 + 0
	1, 2	Positive awareness of symptoms = 10029467	10029467 + 1 or 2
	8	Not applicable	10029467 + 8
	9	Not available	10029467 + 9
Ability to carry out treatments to manage your symptoms (changes in your body)	0	Impaired ability to manage regime = 10000885	10000885 + 0
	1, 2	Positive ability to manage regime = 10001407	10001407 + 1 or 2
	8	Not applicable	10001407 + 8
	9	Not available	10001407 + 9

Readiness for discharge			
Indicate how much you are able to do each care related activity (Sidani & Doran)			
Knowledge of someone to call if you need help to do everyday things (like bathing, shopping, preparing meals)	0	Lack of knowledge of health seeking behaviour = 10024734	10024734 + 0
	1, 2	Positive knowledge of health seeking behaviour = 10024723	10024723 + 1 or 2
	8	Not applicable	10024723 + 8
	9	Not available	10024723 + 9
Knowledge of whom to contact in case of a medical emergency	0	Lack of knowledge of community service = 10027371	10027371 + 0
	1, 2	Positive knowledge of community service = 10028627	10028627 + 1 or 2
	8	Not applicable	10028627 + 8
	9	Not available	10028627 + 9
Able to perform regular activities (such as bathing, shopping, preparing meals, visiting with friends)	0	Self care deficit = 10023410	10023410 + 0
	1, 2	Positive ability to perform self care = 10025714	10025714 + 1 or 2
	8	Not applicable	10025714 + 8
	9	Not available	10025714 + 9

Table 20. Readiness for discharge terms for home care domains

Readiness for discharge: Indicate how much you are able to do each care related activity (Sidani & Doran)			
C-HOBIC		ICNP®	
0	Not at all	Negative ability	
1	Limited ability	Negative ability	
2	Increased ability	Positive ability	
3	Moderate ability	Positive ability	
4	Consistent ability	Positive ability	
5	Very much so	Positive ability	
C-HOBIC		ICNP®	
Knowledge of medications currently taking	0-1	Lack of knowledge of medication regime = 10021941	10021941 + 0 or 1
	2-5	Positive knowledge of medication regime = 10023819	10023819 + 2, 3, 4 or 5
Understand purpose of the medication	0-1	Lack of knowledge of medication = 10025975	10025975 + 0 or 1
	2-5	Positive knowledge of medication = 10025968	10025968 + 2, 3, 4, or 5
Ability to take medications as prescribed	0-1	Lack of ability to manage medication regime = 10022635	10022635 + 0 or 1
	2-5	Positive ability to manage medication regime = 10029272	10029272 + 2, 3, 4, or 5
Recognition of changes in your body (symptoms) related to your illness	0-1	Lack of awareness of symptoms = 10028479	10028479 + 0 or 1
	2-5	Positive awareness of symptoms = 10029467	10029467 + 2, 3, 4, or 5
Understand why you experience some changes in your body (symptoms) related to your illness	0-1	Lack of knowledge of disease = 10021994	10021994 + 0 or 1
	2-5	Positive knowledge of disease = 10023826	10023826 + 2, 3, 4, or 5
Knowledge of what to do (things or activities) to control these changes	0-1	Lack of symptom control = 10029286	10029286 + 0 or 1
	2-5	Positive symptom control = 10025820	10025820 + 2, 3, 4, or 5

Readiness for discharge: Indicate how much you are able to do each care related activity (Sidani & Doran)			
Ability to carry out the treatments or activities that you have been taught	0-1	Impaired ability to manage Regime = 10000885	10000885 + 0 or 1
	2-5	Positive ability to manage regime = 10001407	10001407 + 2, 3, 4, or 5
Ability to do things or activities to look after yourself and to maintain your health	0-1	Impaired health maintenance = 10000918	10000918 + 0 or 1
	2-5	Effective health maintenance = 10023452	10023452 + 2, 3, 4, or 5
Knowledge of whom to contact to get help in carrying out your daily activities	0-1	Lack of knowledge of health seeking behaviour = 10024734	10024734 + 0 or 1
	2-5	Positive knowledge of health seeking behaviour = 10024723	10024723 + 2, 3, 4, or 5
Knowledge of whom to contact in case of a medical emergency	0-1	Lack of knowledge of community service = 10027371	10027371 + 0 or 1
	2-5	Positive knowledge of community service = 10028627	10028627 + 2, 3, 4, or 5
Able to perform regular activities (such as bathing, shopping, preparing meals, visiting with friends)	0-1	Self care deficit = 10023410	10023410 + 0 or 1
	2-5	Positive ability to perform self care = 10025714	10025714 + 2, 3, 4, or 5
Able to adjust your regular activities when you experience body changes (symptoms) related to your illness	0-1	Impaired adjustment = 10000863	10000863 + 0 or 1
	2-5	Ability to adjust = 10021828	10021828 + 2, 3, 4, or 5