

Change List: Updates from Version 9.1.2 to Version 10.0

This document contains changes between Version 9.1.2 and Version 10.0 of the LTCF Assessment Form.

SECTION A. Identification Information

- Two sub-items in Item **A1. Name** have been revised: **A1a. Given name** (was **A1a. First**) and **A1c. Family name** (was **A1c. Last**)
- **A2. Gender** has been expanded to Items **A2. Sex/Gender Identity**, **A2a. Sex**, **A2b. Gender identity [Canada— Only]**, and **A2c. Person self-identifies gender as . . . [Canada— Only]**. A number of jurisdictions have mandated coding of this type.
- In Item **A2a**, one coding option has been added: **OTH Not assigned male or female**.
- In Item **A2b**, which is for use in Canada only, three coding options have been added: **OTH Other gender identity**, **UNK Not known**, **NA Not applicable**.
- The following three items were added to Section A:
 - **A5. Interpreter Needed**
 - **A13. Return Date**
- Old item (in Version 9.1.2) **A10. Person's Expressed Goals of Care** has been revised in Version 10.0 to Item **A14. Person's Expressed Goals of Care and Preferred Activities** in order to expand the focus beyond care needs only.

SECTION B. Intake and Initial History

- **B1. Level of Control Person Had Over Decision to Move into LTCF** — coding option “8” = “**Could not (would not) respond**” was removed in Version 10.0.
- **B3. Admitted from and Usual Residence:**
 - Codes “2” and “3” were merged, and all codes after “2” moved up by one in the count. New code “2” now reads: **Assisted living, semi-independent living, board and care**.
 - A new code was added: “9” = “**Continuing care hospital/unit**”.
 - A new sub-item was added: **B3c. Admitted from facility number [Country Specific — Canada]**

- Old Item **B3. Ethnicity and Race** in Version 9.1.2 was revised and moved in Version 10.0 to become **A3. Indigenous Identity [Country Specific – Canada]**, with only three sub-items:
 - **A3a. First Nations**
 - **A3b. Métis**
 - **A3c. Inuit**
- Old Item **B4. Primary Language** in Version 9.1.2 has been moved to Item **A4. Primary Language [Country Specific – Canada]**, in Version 10.0, and coding options have been revised and reduced from four options to two options:
 - **eng** English
 - **fra** French
- **B6f. Continuing care hospital/unit** was added.
- Old Item **B9. Mental Health History** was dropped. The item referenced both mental illness and intellectual disability. New items have been added to **Section J. Disease and Diagnoses** to better describe this history.

SECTION C. Cognition

- A new item was added: **C2. Capacity for Completing Cognitively Based IADL Tasks**. It includes 3 sub-items:
 - **C2a. Manage finances**
 - **C2b. Manage medications**
 - **C2c. Manage use of electronic devices**
- Old item **Procedural memory OK** was dropped.

SECTION D. Communication and Vision

- **D4. Primary Method of Expressed Communication** — This new item describes how the person communicates: own voice or two types of nonverbal communication.

SECTION E. Mood and Behaviour

- interRAI had added a series of self-reported mood items in the prior round of its instruments and, based on these items, now has a three-item self-report summary scale based on: **E2a. Little interest or pleasure in things you normally enjoy?**, **E2b. Anxious, restless, or uneasy?**, and **E2c. Sad, depressed, or hopeless?** In addition, when these items are missing, interRAI now has an alternative clinical assessment mood scale: **E1a. Made negative statements**, **E1b. Repetitive anxious complaints/concerns (non-health-related)**, **E1d. Withdrawal from activities of interest**.
- Based on analysis of the prior list of clinician-reported mood items in the LTCF and in the Mental Health assessment tools, interRAI identified ANGER as an additional area of interest. To address this new area, three items were added:
 - Self report: **E2d. Angry with yourself?**
 - Self-report: **E2e. Angry with others?**
 - Clinical judgment: **E3g. Outbursts of anger**

- This review of the mood items by themselves and in the prior mood scale, as well as their use in other interRAI scales, indicated that several of the prior judgment-based mood items could be dropped, including:
 - Persistent anger with self or others
 - Expressions, including nonverbal, of what appear to be unrealistic fears
 - Repetitive health complaints
 - Crying, tearfulness
 - Recurrent statements that something terrible is about to happen

SECTION F. Psychosocial Well-Being

- **F1c. Other interaction with long-standing social relation or family member.** Added “video call” as an example.
- **F2. Sense of Involvement.** Added one word to code option “2”: “recently”. It was felt that this might clarify coding. This word was added to other such codes later in the instrument.
- The dichotomous loneliness item in the old form (**F3e. Says or indicates that he/she feels lonely**) was replaced by a more focused, self-report (when possible) loneliness item: **F4. Degree of Loneliness**. This is an important concept and one that is better identified in the new assessment form.
- Sub-items **F6c. Family/friends participate actively in care planning or shared decision making** and **F6e. Strong and supporting relationship with close friend** have been added.

SECTION G. Activities and Interests (Was Section M in Version 9.1.2)

- The section title was changed from “Activity Pursuit” to “Activities and Interests” — this helps to clarify the intent of the set of items included.
- The section was moved based on the belief that it better followed “Psychosocial Well-Being” than “Skin Condition”.
- The wording of a number of the items was altered to better reflect the type of activities to be included. The new wording is as follows:
 - **G2a. Playing games with others** — e.g., mahjong, bridge, chess, multiplayer video games
 - **G2b. Using computer, smart phone, tablet, or other similar devices**
 - **G2c. Conversing, talking on the phone or on another electronic device**
 - **G2f. Reminiscing with others**
 - **G2g. Exercising or playing sports**
 - **G2h. Gardening or tending plants**
 - **G2i. Helping others/volunteering**
 - **G2j. Singing or playing musical instruments**
 - **G2l. Reading, writing**
 - **G2o. Going outdoors**
 - **G2p. Watching television, listening to radio, listening to music**

- Three new items were added:
 - **G2q. Doing puzzles** — e.g., crossword, Sudoku, jigsaw
 - **G2r. Cooking**
 - **G2s. Going to movies, theater, concerts**

SECTION H. Functional Status (Was Section G in Version 9.1.2)

- **H1a. Bathing**— This item no longer includes “How person transfers in and out of tub or shower.” The transfer component of **Bathing** has been broken out into a new, separate item: **H1b. Bath transfer**.
- **H1h. Locomotion off unit** has been reintroduced. It had been in MDS 2.0 but not in Version 9.1.2 of the LTCF.
- Item G2a. has been revised to include the word “indoors”: **G2a. Primary mode of locomotion indoors**.
- Old Item **G2b. Timed 4-metre (13-foot) walk** was dropped. It had a low response and, even when present, tended to be dichotomous.
- Old Item **G3a. Total hours of exercise or physical activity in LAST 3 DAYS** is now two items, with seven code options — from “0” = “None” to “6” = “3 hours or more”:
 - **H3a. Total hours of exercise in LAST 3 DAYS**— Structured and planned movement intended to improve or maintain physical performance and fitness; e.g., participation in formal exercise classes, yoga, Tai Chi.
 - **H3b. Total hours of physical activity in LAST 3 DAYS**— Usual daily movement; e.g., walking/wheeling self to dining room, to gardening area, with family.

SECTION I. Continence (was Section H in Version 9.1.2)

- **I1. Bladder Continence**— The wording for code options has changed. Now, code “0” = “Continent— Stays dry, with or without any device”. The old code “1” = “Control with any catheter or ostomy over last 3 days” has been dropped.
- **I2. Urinary Management Device (Exclude pads/briefs)**— The wording changed from “Urinary Collection Device (Exclude pads/briefs)”.
- **I2. Urinary Management Device (Exclude pads/briefs)** includes one new code option: “1” = “Intermittent catheter”.
- **I3. Dry of Urine Throughout the Day (8 a.m. to 5 p.m.)** is a new item.
- **I4. Bowel Continence**— The wording for code options has changed. Now, Code “0” = “Continent— Stays continent, with or without use of ostomy device”. The old code “1” = “Control with ostomy— Control with ostomy device over last 3 days” has been dropped.

SECTION J. Disease and Diagnoses (was Section I in Version 9.1.2)

- **J1. Disease Diagnoses**— Twenty-two new diagnostic options have been added. interRAI has determined that when diagnoses are entered via the ICD option in **J2. Other Major Disease Diagnoses**, there tend to be many false negatives; that is, the diagnosis is present, but the assessor fails to enter the condition. For

that reason, interRAI considered which diagnoses must be present, and thus the addition of twenty-two new diagnoses.

- **J1d. Vascular dementia**
- **J1e. Lewy body dementia**
- **J1f. Other dementia** (including mixed dementias). Note: Because of the addition of J1d and J1e, J1f is different from the previous version: **I1d. Dementia other than Alzheimer’s disease**. Note also that Items J1c, J1d, J1e, and J1f provide a more comprehensive set of items relative to dementia.
- **J1h. Seizure disorders or epilepsy**
- **J1i. Traumatic brain injury (TBI)**
- **J1o. Aphasia** — This item was included in the old form as a Heath Condition (old Item J3j).
- **J1p. Motor neuron disease/ALS**
- **J1q. Down syndrome**
- **J1r. Autism spectrum disorder**
- **J1s. Other intellectual disability (organic, non-organic, or cause unknown)**. Note: Items J1q, J1r, and J1s provide a more comprehensive set of items relative to intellectual/developmental disability.
- **J1u. Atrial fibrillation**
- **J1w. Peripheral vascular disease (PVD)**
- **J1cc. Post-traumatic stress disorder (PTSD)**
- **J1dd. Pneumonia during last 30 days** — Although this item is not new, note the addition of the words “during last 30 days”.
- **J1ff. Sepsis during last 30 days**
- **J1gg. Chronic hepatitis (e.g., hepatitis B, C)**
- **J1hh. Clostridium difficile (C. diff)**
- **J1ii. Tuberculosis (TB)**
- **J1jj. Multidrug resistant organism (MDRO)**
- **J2kk. HIV/AIDS**
- **J1mm. Diabetes mellitus Type 1 and J1nn. Diabetes mellitus Type 2** — these items distinguish between Type I and Type II, unlike the old diabetes mellitus item (I1u).
- **J1oo. Chronic kidney disease (CKD)**
- **J2. Other Major Disease Diagnoses** — New language asks the assessor to make sure to add other “major” disease diagnoses. In order to emphasize that interRAI is not looking for a long list, only two lines are provided on the assessment form (J2a and J2b).

SECTION K. Health Conditions (Was Section J in Version 9.1.2)

- **K1. Falls** — There is new wording of the Falls items (old Items J1. Falls and J2. Recent Falls). There are now three time windows (**K1a. Last 30 days**, **K1b. 31–90 days**, and **K1c. 91–180 days**). For each time window, there are three response alternatives: “0” = “No falls”, “1” = “1 fall”, and “2” = “2 or more falls”.
- A new falls consequence item has been added: **K2. Any Fall with Major Consequences within Last 90 Days** — e.g., fractures, concussion, subdural hematoma, other internal bleeding, restriction in walking for week or more.

- Old Item **J3q. Aspiration** was moved to Section L: **L5a. Aspiration**.
- Old Item **J3t. Hygiene** was dropped.

SECTION L. Oral and Nutritional Status (Was Section K in Version 9.1.2)

- Item **L2b. Dehydrated** has been reworded: it used to be **K2b. Dehydrated, or BUN/Cre ratio > 25 [Ratio, country specific]**.
- **L4. Parenteral or Enteral Intake** — There is a new code option: “8” = “**Unable to estimate**”.
- A new item has been added: **L5. Swallowing Problems**. There are five items under this heading:
 - **L5a. Aspiration**
 - **L5b. Food or fluid escapes from or dribbles from mouth during eating or drinking**
 - **L5c. Holds food in mouth after eating, does not swallow all food**
 - **L5d. Decrease in amount of food or fluid usually eaten**
 - **L5e. Ate one or fewer meals on AT LEAST 2 OF LAST 3 DAYS**
- **L6a. Dry mouth** and **L6b. Difficulty chewing** now have an expanded five-category code set, going from “0” = “**Not present**” to “4” = “**Exhibited daily in last 3 days**”.
- **L7. Dental/Oral Cavity Issues** (old Item **K5. Dental or Oral**) — This set of items has been reworked, as have the instructions. interRAI believes that these items have not been addressed as instructed in the prior manual. Thus this version of the manual includes new, more graphic instructions, along with photographs, and the form reminds staff to include an oral cavity review.
- Two items have been removed: **K5a. Wears a denture (removable prosthesis)** and **K5c. Reports mouth or facial pain/discomfort**.
- Three items have been reworded:
 - **L7a. Broken, loosely fitted denture(s)**
 - **L7b. Broken, decayed, fragmented, or loose natural teeth** (old Item **K5b. Has broken, fragmented, loose, or otherwise nonintact natural teeth**)
 - **L7c. Discoloration, swelling, patches, or bleeding of gum or mouth tissue** (old Item **K5f. Presents with gum (soft tissue) inflammation or bleeding adjacent to natural teeth or tooth fragments**)

SECTION M. Skin Condition (Was Section L in Version 9.1.2)

- Two changes were made to **M1. Most Severe Pressure Ulcer/Injury**:
 - “/Injury” was added.
 - One code was added: “6” = “**Not codeable — suspected deep tissue injury, depth unknown**”.
- “/Injury” was also added to Items **M2.** and **M3.**

SECTION N. Medications

- This section has undergone a major, carefully considered reorganization. Specifically:
 - **N1. List of All Medications** on the old form has been deleted.
- The following items were added:
 - **N1. Total Number of Medications**
 - **N2. Total Number of Herbal/Nutritional Supplements**
 - **N3. Known Allergy to Any Drug**— This includes a slight rewording of the item on the old form (old Item **N2. Allergy to Any Drug**) plus the addition of two sub-items which provide an open-ended space for recording the drugs resulting in allergic reaction:
 - **N3a. First drug**
 - **N3b. Second drug**
 - **N4. Self-Reported Need for Medication Review**
 - **N5. Recently Changed Medications**
 - **N6. Cannabis Use**— The legal use of this substance is becoming more common.
 - **N7. Medicinal Use of Cannabis**
 - **N8. Medication List**
 - **N8a. Antipsychotic**
 - **N8b. Anxiolytic**
 - **N8c. Antidepressant**
 - **N8d. Hypnotic**
 - **N8e. Opioid**
 - **N8f. Hypoglycemic agent (e.g., insulin, sulfonylureas)**
 - **N8g. Anticoagulant (warfarin, NOAC)**

SECTION O. Treatments and Procedures

- **O1. Prevention**— A number of items were dropped: Blood pressure measured in LAST YEAR, Colonoscopy test IN LAST 5 YEARS, Eye exam in LAST YEAR, Hearing exam IN LAST 2 YEARS, Mammogram or breast exam in LAST 2 YEARS (for women).
- **O1c. Pneumococcal vaccine in LAST 5 YEARS**— Old wording: **O1h. Pneumovax vaccine in LAST 5 YEARS or after age 65**
- There is a new code option for **O2. Treatments and Programs Received or Scheduled in the Last 3 Days**: “2” = “Implemented but not received in last 3 days”.
- Two items were added:
 - **O2l. Palliative care for chronic conditions**
 - **O2m. Pressure relieving device for chair or bed**
- **O2o. Hospice/palliative care program for end of life**— The words “hospice” and “for end of life” were added to this item.
- **O3e. Functional rehabilitation or walking program by licensed nurse/health professional**— The words “/health professional” were added to this item.

- **O3g. Recreational therapy** is a new item.
- **O4. Time since Last Hospital Stay** was moved from old Section A (old Item A11).
- **O5b. Surgery with general anesthetic followed by overnight stay in hospital in last 90 days** is a new item.
- **O5c. Emergency room/department visit (not counting overnight stay)** — the word “/department” was added to this item.
- **O6. Visits by Physician, Physician Assistant, Nurse Practitioner** (old Item O5. **Physician Visits**) now includes three sub-items to differentiate the number of visits by each of the three types of health care professionals:
 - **O6a. Physician**
 - **O6b. Physician assistant**
 - **O6c. Nurse practitioner**

SECTION P. Responsibility and Directives

- This section now reflects options present in Canada.
- Old Item **P1. Responsibility/Legal Guardian** has been reworded to **P1. Decision Maker for Personal Care and Property [Country Specific — Canada]**. The coding options have been revised to “1” = “**Person**” and “2” = “**Other**”. The sub-items have been reduced to two:
 - **P1a. Personal care**
 - **P1b. Property**
- Old Item **P2. Advance Directives** has been reworded to: **P2. Expressed Preferences for Future Care**. The coding options have been revised to “0” = “**No or not documented**” and “1” = “**Yes**”, and the two sub-items have also been reworded:
 - **P2a. Person prefers to avoid receiving cardiopulmonary resuscitation**
 - **P2b. Person prefers to avoid hospitalization**

SECTION Q. Discharge Potential

- No changes were made to this section.

SECTION R. Discharge

- **R2. Residential/Living Status after Discharge**. Changes to the codes here match those outlined above in Item **B3. Admitted from and Usual Residence**.

SECTION S. Assessment Information

- No changes were made to this section.