**Table S1: list of quality indicators with numerators, denominators and questions**

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| **Domain: Physical aspects of care** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Evidence  |
| PC-1 | Being in pain | Numerator: Number of residents with a pain score of 3 or more in the last three daysDenominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | Please tick the box that best describes how pain has affected you over the past 3 days:* not at all,
* slightly,
* moderately,
* severely,
* overwhelmingly
 | Indicator developed by researchers and expert panelMeasurement question from “IPOS-5” |
| **Domain: Psychological, social or spiritual aspects of care** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| PC-2 | Feeling worried or anxious, or a burden | Numerator: Number of residents who indicate they were most of the times or always feeling worried or anxious, or a burden to othersDenominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | Are you feeling worried or anxious, or a burden to others?* always
* often
* sometimes
* rarely
 | Indicator developed by researchers and expert panelMeasurement question adapted from “ICECAP-SCM” |
| PC-3 | Being around people who care about you | Numerator: Number of residents who indicate that they were most of the times or always able to be around people who cared about themDenominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | If I want to, I am able to be with people who care about me:* most of the time
* some of the time
* only a little of the time
* never
 | Indicator developed by researchers and expert panelMeasurement question from “ICECAP-SCM” |
| **Domain: Autonomy and dignity** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| PC-4 | Personal wishes and beliefs respected | Numerator: Number of residents who indicate that their caregivers most of the times or always respecting their personal wishes and beliefsDenominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | Do your professional carers take your personal wishes and beliefs into account?* most of the time
* some of the time
* only a little of the time
* never
 | Indicator originally from Claessen et al: ‘‘extent to which patientsexperience respect for their autonomy’’Measurement question from “QPAC study”  |
| PC-5 | Decisions about life and care | Numerator: Number of residents who indicate that they most of the times or always can make their own decisions about their life and careDenominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | I am able to make decisions that I need to make about my life and care:* most of the time
* some of the time
* only a little of the time
* never
 | Indicator developed by researchers and expert panelMeasurement question from “ICECAP-SCM” |
| PC-6 | Treated with respect  | Numerator: Number of residents who indicate that they most of the times or always were treated with respect Denominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | Do you feel treated with respect? (respectfully addressed, respect for beliefs, being yourself, having privacy):* most of the time
* some of the time
* only a little of the time
* never
 | Indicator developed by researchers and expert panelMeasurement question adapted from “ICECAP-SCM” |
| **Domain: Communication with residents** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| ACP-1 | Information comprehensible and not contradictory | Numerator: Number of residents who indicate that they most of the times or always receive comprehensible information and almost never of never contradictory informationDenominator: all residents who stayed longer than 1 month in the nursing home, with whom the indicator was measured | Residents | Do your professional carers explain things to you understandably?* Never
* Sometimes
* Usually
* Always

Do your professional carers give you conflicting information?* Never
* Sometimes
* Usually
* Always
 | Indicator originally from Claessen et al: ‘‘extent to whichpatients indicate that they receive understandableexplanations’’ and ‘‘extent to which patients indicate thatthey receive contradictory information’’Measurement question from “QPAC study” |
| **Domain: Care planning** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| ACP-2 | Conversation with family | Numerator: Number of residents for whom the next-of-kin indicates that more than once a conversation took place with the caregivers, the next-of-kin and, when possible, the residentDenominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Next-of-kin | How often did the professional carers organize a meeting, to which you and your relative were invited? * More than once
* Once
* Never
 | Indicator adapted from QPAC study: “a conversationabout their care preferences took place between theprofessional caregivers and family carers in the first weekafter admission or start of palliative care”Measurement question adapted from “QPAC study” |
| ACP-3 | Knowledge about care goals and life wishes | Numerator: Number of residents for whom their professional caregiver indicates that they have knowledge about the residents’ care goals and life wishes. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Professional caregiver | Do you know the care goals and life wishes of this resident?* Yes
* No
 | Indicator developed by researchers and expert panelMeasurement question developed by researchers |
| ACP-4 | Encouraging ACP | Numerator: Number of residents for whom their professional caregiver indicates that they often or very often encourage residents and their next-of-kins to involve in advance care planning. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Professional caregiver | I encourage residents and families to complete advanced care planning:* Very much
* Much
* Neither much, nor little
* Little
* Very little
 | Indicator developed by researchers and expert panelMeasurement question from “PACE LTCF staff attitudes- communication and end-of-life care” |
| **Domain: care and communication for next-of-kin** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| ACP-5 | Next-of-kin involved in decisions | Numerator: Number of next-of-kin who indicate that they often or very often felt involved in the decisions taken about the resident. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Next-of-kin | I felt fully involved in all decision making of my relative:* Very much
* Much
* Neither much, nor little
* Little
* Very little
 | Indicator developed by researchers and expert panelMeasurement question from “SWC-EOLD” |
| EOL-1 | Information about approaching death | Numerator: umber of next-of-kin who indicate that they received the right amount of information on the approaching death of the resident. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Next-of-kin | Did you get information about the impending death of your relative?* less than necessary
* just the right amount
* more than necessary
 | Indicator of QPAC study “Family received the rightamount of information about the patient’s approachingdeath”Measurement question of “QPAC study”*Modified indicator from Miyashita et al: ‘‘explanation to**family of patient’s impending death’’* |
| PC-7 | Attention for wishes and feelings of next-of-kin  | Numerator: Number of next-of-kin who indicate that the professional caregivers had attention for their wishes and feelings. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Next-of-kin | The health care team was sensitive to my needs and feeling:* Very much
* Much
* Neither much, nor little
* Little
* Very little
 | Modified indicator from Claessen: ‘‘Extent to which,according to the direct relatives, attention was paid totheir own psychosocial and spiritual well-being’’Measurement question from “SWC-EOLD”SWC-EOLD |
| EOL-2 | Supported immediate after death | Numerator: Number of next-of-kin who indicate that they felt sufficiently supported by the professional caregivers immediate after the death of the resident. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Next-of-kin | Did you feel supported by the professional carers immediately after the death of your relative?* Yes
* No
 | Indicator from Claessen et al: ‘‘Extent to which directrelatives felt supported by the caregivers immediatelyafter the patient’s death,’’Measurement question from “QPAC study” |
| **Domain: Communication among caregivers** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| PC-8 | Information in resident file | Numerator: Number of residents for whom the professional caregiver finds sufficient information in the resident file when needed.Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured  | Professional caregiver | Do you find the information on the resident in his or her file when you need it?* Never
* Sometimes
* Usually
* Always
 | Indicator developed by researchers and expert panelMeasurement question developed by researchers |
| **Domain: care and circumstances surrounding death** |
| N° | Short title | Numerator and denominator of the indicator | Respondent | Question | Source |
| EOL-3 | Comfortable in last week of life | Numerator: Number of next-of-kin who indicate that many or a lot of measures were taken to make the resident comfortable in the last week of life. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Next-of-kin | All measures were taken to keep my care recipient comfortable in the last week of life:* Very much
* Much
* Neither much, nor little
* Little
* Very little
 | Modified indicator from QPAC study: “symptom burden mostly or completely under control in the final weekof life”Measurement question adapted from“SWC-EOLD” |
| EOL-4 | Recognizing the approaching death | Numerator: Number of residents for whom the professional caregiver indicates they could recognize the approaching death well or very well by physical changes. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Professional caregiver | I can recognize impending death (physical changes):* Very good
* Good
* Neither good, nor bad
* Bad
* Very bad
 | Indicator developed by researchers and expert panelMeasurement question from “PACE LTCF staff attitudes- communication and end-of-life care” |
| EOL-5 | Satisfied by care delivered | Numerator: Number of residents for whom the professional caregiver indicates they are satisfied with the care delivered to the resident. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Professional caregiver | Are you satisfied by the care that you and your and your team members delivered to the resident?* Very satisfied
* Satisfied
* Neither satisfied, nor dissatisfied
* Dissatisfied
* Very dissatisfied
 | Indicator developed by researchers and expert panelMeasurement question from “PACE LTCF staff attitudes- communication and end-of-life care” |
| EOL-6 | Support by specialized palliative care | Numerator: Number of residents for whom the professional caregiver indicates a palliative care referent or specialized team was involved in the care for the resident. Denominator: all residents who stayed longer than 1 month in the nursing home, for whom the indicator was measured | Professional caregiver | Was a specialized palliative care team involved in the care of this resident? (the specialized care team of the nursing home or an external team)* Yes, the palliative care team of the nursing home
* Yes, an external palliative care team
* No
 | Indicator developed by researchers and expert panelMeasurement question developed by researchers |