**Supplementary Table 1. Description of Nursing Homes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Nursing home** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| **Funding type** | Non-profit | Non-profit | Public | Non-profit | Non-profit | Non-profit | Non-profit |
| **Floorplan typology**  | Linear Staggered | C-shaped | C- Shaped | Clusters with double volume spaces | Mixed (Linear, courtyard and clusters) | V-shaped Cluster | Courtyard |
| **Completion year** | 2017 | 2017 | 2017 | 2015 | 1997 | 2005 | 1994 |
| **Resident type** | Mix of dementia and general | Mix of dementia and general | Mix of dementia and general | Mix of dementia and general | Mix of dementia and general | Psychiatric | Mix of dementia and general |
| **No. of resident recruited** | 101 | 100 | 95 | 100 | 100 | 100 | 100 |

**Supplementary Table 2. Personal Enhancers (PEs) and Personal Detractors (PDs) identified in Dementia Care Mapping (DCM)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Five Fundamental Needs | Personal enhancer (PE) | Personal enhancer (PE) incidence  | Personal detractor (PD) | Personal detractor (PD) incidence |
| Comfort needs | Warmth | 70 | Intimidation | 1 |
| Holding | 21 | Withholding | 25 |
| Relaxed pace | 8 | Outpacing | 10 |
| **Subtotal** | **99** | **Subtotal** | **36** |
| Attachment  | Acknowledgement | 47 | Accusation | 4 |
| Genuineness | 9 | Treachery | 1 |
| Validation | 14 | Invalidation | 15 |
| **Subtotal** | **70** | **Subtotal** | **20** |
| Occupation  | Empowerment | 15 | Disempowerment | 9 |
| Facilitation | 39 | Imposition | 26 |
| Enabling | 27 | Disruption | 10 |
| Collaboration | 8 | Objectification | 41 |
| **Subtotal** | **89** | **Subtotal** | **86** |
| Identity | Respect | 14 | Infantilization | 20 |
| Acceptance | 7 | Labelling | 0 |
| Celebration | 4 | Disparagement | 1 |
| **Subtotal** | **25** | **Subtotal** | **21** |
| Inclusion  | Recognition | 6 | Stigmatisation | 7 |
| Including | 15 | Ignoring | 39 |
| Belonging | 4 | Banishment | 0 |
| Fun | 13 | Mockery | 0 |
| **Subtotal** | **38** | **Subtotal** | **46** |
|  | **Total** | **321** | **Total** | **209**  |

**Supplementary Figure 1 Resident Satisfaction Score (RSS) – overall and lowest satisfaction questions.**

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