

Methodology and bibliography

Presenting a global evidence base for dementia friendly initiatives

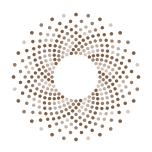


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Framework and contributors



The evidence framework

This project aims to understand what impact dementia friendly initiatives may have in improving the quality of life for people with dementia and their caregivers. Improvements to quality of life might include reduced isolation, increased wellbeing, or support for caregivers and their families. Quality of life may also be improved by societal changes such as: reduced stigma; respect; equity and equality within the community; and improved access to the community, services and healthcare.

An evidence framework was designed to compare and synthesize a global evidence base. It needed to consider the variety of initiatives designed to have impact, the breadth of evidence likely to be submitted, and the range of voices who would contribute. The framework was developed in consultation with Claire Goodman, professor of health care research at the Centre for Research in Primary and Community Care, University of Hertfordshire (UK), and a lead investigator of the National Evaluation of Dementia Friendly Communities (DEMCOM). DEMCOM is a project funded by the UK's Department of Health and Social Care Policy Research Programme, to undertake a national evaluation of dementia friendly communities.

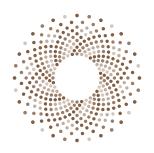
Contributors

The project has drawn on a variety of experts. Firstly and most importantly, people with dementia and caregivers were engaged, both to design the survey and for collecting evidence. Through surveys and interviews, these contributors said what is important to them, whether they have been involved in shaping initiatives, what impact they have experienced, as well as what 'dementia friendliness' means to them.

Activists, volunteers and third sector organizations – instrumental in the design, delivery, leadership and evaluation of dementia friendly initiatives – shared their knowledge and submitted evidence.

Academics contributed to the design of the survey and submitted evidence. Policymakers and leaders within the dementia movement were engaged to understand how impact evidence can be used, and how it can influence policy and support the sustainable delivery of initiatives.

Evidence types



Evidence was collected from several sources to provide a global assessment of dementia friendliness, while also drawing on the expertise of regions who have historically shown leadership in dementia.

Academic papers and published literature

Papers were selected using the search terms 'dementia friendly' and 'impact' as well as searching for 'age friendly', in cases where the two movements overlapped. Papers developing best practice, assessing provision and discussing the aims and outcomes of initiatives were also included.

A total of 236 papers were reviewed. From those, 39 papers were selected for their relevance to this project and the priorities highlighted by people living with dementia. While the findings do consider information from all 236 papers, citations draw from selected papers.

Systematic reviews completed in 2016 concluded that "isolated dementia friendly environmental changes may improve functional ability, but the impact on quality of life or wellbeing has not been established" (Hebert and Scales 2017, pg 31). Therefore, the selection has focused primarily on publications after 2016.

Roundtables

Two roundtable events were held. The first convened in July 2019 in Los Angeles, United States during the Alzheimer's Association International Conference (AAIC19) and was organized with the American Association of Retired Persons (AARP). The second convened in September 2019 in Sydney, Australia during the Alzheimer's Association Satellite Symposium (AASS19) and was organized with Dementia Australia and the Government of Australia.

Participants at both included academics, government representatives, leaders of charities and third sector organizations, people responsible for delivering initiatives and people living with dementia and their caregivers.

Surveys

Surveys were designed to capture evidence from people involved in the delivery, evaluation and/or support of dementia friendly initiatives. A separate set of surveys were created for people living with dementia and their caregivers, which focused more on their experiences and were written in a more accessible manner.

Geographical spread

We collected surveys spanning 37 different countries across all six continents.





Countries from which a survey submission was received

Organizational surveys

This survey was designed for organizations to respond, and captured regional views on the level of provision, the priorities and outcomes of initiatives, and different leadership structures. The survey also provided the opportunity for respondents to share academic papers, evaluation results, and grey literature. This survey was issued in English, Spanish (Español) and Chinese ($\dot{\mp}\dot{\chi}$).

A total of 100 completed surveys were collected, with 4 other additional pieces of evidence submitted in place of a survey. Just under half of all respondents (47) submitted extra evidence beyond a survey itself.

People living with dementia and their caregivers

Three complementary surveys were designed for people living with dementia and their caregivers, and sought to capture their views in a more accessible way, asking:

- 1. Whether people living with dementia and their caregivers felt involved in initiatives, and to what extent their experience and knowledge was used to shape initiatives;
- 2. What impact had been experienced by people living with dementia and their caregivers as a result of taking part in initiatives;
- 3. What experiences people living with dementia have had within the health sector specifically, such as with general practitioners, hospitals etc.

A total of 248 completed surveys were collected across these three surveys designed for people living with dementia and their caregivers. Just over a quarter (70) of all respondents submitted extra comments beyond the survey itself.



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Limitations

Providing evidence alongside survey results was not mandatory. Therefore there was a tendency of people only sharing the positive impact of their own work. While self-selection also affected the responses from people with dementia and their caregivers, a more balanced picture of positive and negative experiences was captured. The number of face-to-face interactions were limited, and written submissions were reliant on electronically submitted responses. While efforts were made to make submissions more accessible with a separate set of surveys, this will have nonetheless presented a barrier for some people with dementia and their caregivers.

Although a global evidence base was collected, most academic papers and survey responses were from high-income countries, and sometimes not in the volumes anticipated. While the project did not expect to reach the majority of global initiatives, the low volume of responses from low- and middle-income countries does give an indication of the realities of delivering 'dementia friendliness' in these regions. While the project may not have collected in-depth regional detail, a global picture of dementia friendliness has been achieved.

Bibliography



Need

Marshall, Fiona, Anahid Basiri, Mark Riley, Tom Dening, John Gladman, and Amanda Griffiths and others, "Scaling The Peaks Research Protocol: Understanding The Barriers And Drivers To Providing And Using Dementia-Friendly Community Services In Rural Areas—A Mixed Methods Study", BMJ Open, 8 (2018), e020374 https://doi.org/10.1136/bmjopen-2017-020374

Mukadam, Naaheed, and Gill Livingston, "Reducing The Stigma Associated With Dementia: Approaches And Goals", Aging Health, 8 (2012), 377-386 https://doi.org/10.2217/ahe.12.42

Murayama, Hiroshi, Chiaki Ura, Fumiko Miyamae, Naoko Sakuma, Mika Sugiyama, and Hiroki Inagaki and others, "Ecological Relationship Between Social Capital And Cognitive Decline In Japan: A Preliminary Study For Dementia Friendly Communities", Geriatrics & Gerontology International, 19 (2019), 950-955 https://doi.org/10.1111/ggi.13736

Williamson, Toby, Mapping Dementia-Friendly Communities Across Europe (London, 2016)

Woodward, Michael, Antony Arthur, Nicole Darlington, Stefanie Buckner, Anne Killett, and John Thurman and others, "The Place For Dementia Friendly Communities In England And Its Relationship With Epidemiological Need", International Journal Of Geriatric Psychiatry, 34 (2018), 67-71 https://doi.org/10.1002/gps.4987

Stigma and language

Bartlett, Ruth, "Scanning The Conceptual Horizons Of Citizenship", Dementia, 15 (2016), 453-461 https://doi.org/10.1177/1471301216644114

de Vugt, Marjolein, and Rose-Marie Dröes, "Social Health In Dementia. Towards A Positive Dementia Discourse", Aging & Mental Health, 21 (2017), 1-3 https://doi.org/10.1080/13607863.2016.1262822

Hattink, Bart, Franka Meiland, Henriëtte van der Roest, Peter Kevern, Francesca Abiuso, and Johan Bengtsson and others, "Web-Based STAR E-Learning Course Increases Empathy And Understanding In Dementia Caregivers: Results From A

Randomized Controlled Trial In The Netherlands And The United Kingdom", Journal Of Medical Internet Research, 17 (2015), e241 https://doi.org/10.2196/jmir.4025

Lin, Shih-Yin, and Frances Marcus Lewis, "Dementia Friendly, Dementia Capable, And Dementia Positive: Concepts To Prepare For The Future", The Gerontologist, 55 (2015), 237-244 https://doi.org/10.1093/geront/gnu122

Swaffer, Kate, "Dementia: Stigma, Language, And Dementia-Friendly", Dementia, 13 (2014), 709-716 https://doi.org/10.1177/1471301214548143

Tools: assessment and evaluation

Buckner, Stefanie, Calum Mattocks, Melanie Rimmer, and Louise Lafortune, "An Evaluation Tool For Age-Friendly And Dementia Friendly Communities", Working With Older People, 22 (2018), 48-58 https://doi.org/10.1108/wwop-11-2017-0032

Fleming, Richard, Kirsty Bennett, Terri Preece, and Lyn Phillipson, "The Development And Testing Of The Dementia Friendly Communities Environment Assessment Tool (DFC EAT)", International Psychogeriatrics, 29 (2016), 303-311 https://doi.org/10.1017/s1041610216001678

Handler, Sophie, A Research And Evaluation Framework For Age-Friendly Cities (Manchester: UK Urban Aging Consortium, 2019)

Waller, Sarah, Abigail Masterson, and Simon C Evans, "The Development Of Environmental Assessment Tools To Support The Creation Of Dementia Friendly Care Environments: Innovative Practice", Dementia, 16 (2016), 226-232 https://doi.org/10.1177/1471301216635829

Best practice and/or results

Crampton, Janet, Janet Dean, and Ruth Eley, Creating A Dementia-Friendly York

Duffin, Christian0, "Dementia-Friendly Neighbourhoods", Nursing Older People, 26 (2014), 16-17 https://doi.org/10.7748/nop2014.02.26.2.16.e564

Heward, Michelle, Anthea Innes, Clare Cutler, and Sarah Hambidge, "Dementia-Friendly Communities: Challenges And Strategies For Achieving Stakeholder Involvement", Health & Social Care In The Community, 25 (2016), 858-867 https://doi.org/10.1111/hsc.12371

Wiersma, Elaine C, and Alison Denton, "From Social Network To Safety Net: Dementia-Friendly Communities In Rural Northern Ontario", Dementia, 15 (2013), 51-68 https://doi.org/10.1177/1471301213516118

Utilities

Bail, Kasia, John Goss, Brian Draper, Helen Berry, Rosemary Karmel, and Diane Gibson, "The Cost Of Hospital-Acquired Complications For Older People With And Without Dementia; A Retrospective Cohort Study", BMC Health Services Research, 15 (2015) https://doi.org/10.1186/s12913-015-0743-1



Fitzpatrick, Lindsay, "Practical Strategies To Help Develop Dementia-Friendly Hospital Wards", Nursing Older People, 30 (2018), 30-34 https://doi.org/10.7748/nop.2018.e982

Gilmartin-Thomas, Julia F-M, Mine Orlu, Dalal Alsaeed, and Ben Donovan, "Using Public Engagement And Consultation To Inform The Development Of Ageing-And Dementia-Friendly Pharmacies – Innovative Practice", Dementia, 2017, 147130121772589 https://doi.org/10.1177/1471301217725896

Goh, Anita M.Y., Ellen Gaffy, Brendan Hallam, and Briony Dow, "An Update On Dementia Training Programmes In Home And Community Care", Current Opinion In Psychiatry, 31 (2018), 417-423 https://doi.org/10.1097/yco.000000000000000438 Handley, Melanie, Frances Bunn, and Claire Goodman, "Interventions That Support The Creation Of Dementia Friendly Environments In Health Care: Protocol For A Realist Review", Systematic Reviews, 4 (2015) https://doi.org/10.1186/s13643-015-0168-2

Handley, Melanie, Frances Bunn, and Claire Goodman, "Dementia-Friendly Interventions To Improve The Care Of People Living With Dementia Admitted To Hospitals: A Realist Review", BMJ Open, 7 (2017), e015257 https://doi.org/10.1136/bmjopen-2016-015257

Lin, Shih-Yin, "'Dementia-Friendly Communities' And Being Dementia Friendly In Healthcare Settings", Current Opinion In Psychiatry, 30 (2017), 145-150 https://doi.org/10.1097/yco.00000000000000304

Sun, Fei, Xiang Gao, Hillary Brown, and L Thomas Winfree, "Police Officer Competence In Handling Alzheimer'S Cases: The Roles Of AD Knowledge, Beliefs, And Exposure", Dementia, 18 (2017), 674-684 https://doi.org/10.1177/1471301216688605

Prevention, living well and public space

Chung, Pat Yin Fan, Caroline Ellis-Hill, and Peter Coleman, "Supporting Activity Engagement By Family Carers At Home: Maintenance Of Agency And Personhood In Dementia", International Journal Of Qualitative Studies On Health And Well-Being, 12 (2017), 1267316 https://doi.org/10.1080/17482631.2016.1267316

Connell, Joanne, and Stephen J. Page, "An Exploratory Study Of Creating Dementia-Friendly Businesses In The Visitor Economy: Evidence From The UK", Heliyon, 5 (2019), e01471 https://doi.org/10.1016/j.heliyon.2019.e01471

Hikichi, Hiroyuki, Toru Tsuboya, Jun Aida, Yusuke Matsuyama, Katsunori Kondo, and S V Subramanian and others, "Social Capital And Cognitive Decline In The Aftermath Of A Natural Disaster: A Natural Experiment From The 2011 Great East Japan Earthquake And Tsunami", The Lancet Planetary Health, 1 (2017), e105-e113 https://doi.org/10.1016/s2542-5196(17)30041-4



Innes, Anthea, Stephen J Page, and Clare Cutler, "Barriers To Leisure Participation For People With Dementia And Their Carers: An Exploratory Analysis Of Carer And People With Dementia'S Experiences", Dementia, 15 (2016), 1643-1665 https://doi.org/10.1177/1471301215570346

Kondo, Katsunori and Takasugi, Tomo, "Review of evidence for dementia prevention in Japan", World Dementia Council (2020) https://worlddementiacouncil.org/sites/default/files/2020-09/DFIs%20-%20Japan FINAL.pdf

Nemoto, Yuta, Tami Saito, Satoru Kanamori, Taishi Tsuji, Kokoro Shirai, and Hiroyuki Kikuchi and others, "An Additive Effect Of Leading Role In The Organization Between Social Participation And Dementia Onset Among Japanese Older Adults: The AGES Cohort Study", BMC Geriatrics, 17 (2017) https://doi.org/10.1186/s12877-017-0688-9

Silverman, Marjorie, "'We Have Different Routes For Different Reasons': Exploring The Purpose Of Walks For Carers Of People With Dementia", Dementia, 18 (2017), 630-643 https://doi.org/10.1177/1471301217699677

Design

Biglieri, Samantha, "Implementing Dementia-Friendly Land Use Planning: An Evaluation Of Current Literature And Financial Implications For Greenfield Development In Suburban Canada", Planning Practice & Research, 2017, 1-27 https://doi.org/10.1080/02697459.2017.1379336

Vinick, Devora, "Dementia-Friendly Design: Hogeweyk And Beyond", British Journal Of General Practice, 69 (2019), 300-300 https://doi.org/10.3399/bjgp19x703949

Involvement

Charras, Kevin, Corinne Bébin, Véronique Laulier, Jean-Bernard Mabire, and Jean-Pierre Aquino, "Designing Dementia-Friendly Gardens: A Workshop For Landscape Architects: Innovative Practice", Dementia, 2018, 147130121880860 https://doi.org/10.1177/1471301218808609

Harris, Phyllis Braudy, and Cynthia Anne Caporella, "Making A University Community More Dementia Friendly Through Participation In An Intergenerational Choir", Dementia, 18 (2018), 2556-2575 https://doi.org/10.1177/1471301217752209

Phillipson, Lyn, Danika Hall, Elizabeth Cridland, Richard Fleming, Chris Brennan-Horley, and Nick Guggisberg and others, "Involvement Of People With Dementia In Raising Awareness And Changing Attitudes In A Dementia Friendly Community Pilot Project", Dementia, 18 (2018), 2679-2694 https://doi.org/10.1177/1471301218754455



Smith, Karen, Susan Gee, Tal Sharrock, and Matthew Croucher, "Developing A Dementia-Friendly Christchurch: Perspectives Of People With Dementia", Australasian Journal On Ageing, 35 (2016), 188-192 https://doi.org/10.1111/ajag.12287

The World Dementia Council (WDC) is an international charity. It consists of senior experts and leaders drawn from research, academia, industry, governments and NGOs in both high-income and low- and middle-income countries, including two leaders with a personal dementia diagnosis. The WDC has an executive team based in London, UK.

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