Designing Environments for Dementia

This list is a reviewed collection of articles, books, web resources and videos prepared by the Alzheimer's Association Green-Field Library staff. To borrow items we own contact your local chapter or local library. Read more about borrowing here.

On this resource list:

Alzheimer's Association Publications

Design & Aging

Design & Dementia in Long Term Care

Home & Safety Design

Outdoor Design

Alzheimer’s Association Publications

Designing a care facility
Chicago, IL: Alzheimer's Association National Office
https://www.alz.org/professionals_and_researchers_designing_a_care_facility.asp

From research to application: supportive and therapeutic environments for people living with dementia. Gerontologist. Jan 2018; vol. 58(suppl 1), pp. S114-S128
Calkins, MP
Full-text: https://academic.oup.com/gerontologist/article/58/suppl_1/S114/4816736
Home safety and Alzheimer's
Chicago, IL: Alzheimer’s Association National Office

Staying safe.
Chicago, IL: Alzheimer’s Association National Office

Visit the Alzheimer’s Association Green-Field Library Pinterest page. Link to Environmental Design
for information and tools related to the physical surroundings and needs of persons with dementia.

Design & Aging

Articles, Journal

Bauman, A; Merom, D; Bull, FC; et al. Updating the evidence for physical activity: summative reviews of the epidemiological evidence, prevalence, and interventions to promote “active aging”. Gerontologist. Apr 2016; vol. 56(suppl. 2), pp. S268-S280.
Green-Field Library owns.

Full-text: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5003839
Green-Field Library does not own.

Epps, F; Weeks, G; Graham, E; et al. Challenges to aging in place for African American older adults with dementia and their families. Geriatric Nursing. May 2018 [Epub ahead of print]
Green-Field Library owns.
Full-text: https://www.ncbi.nlm.nih.gov/pubmed/29765211
Green-Field Library owns.

Abstract: https://www.tandfonline.com/doi/full/10.1080/07317115.2016.1174498
Green-Field Library owns.

Books

Abbott, PS. Re-creating neighborhoods for successful aging.
Baltimore, MD: Health Professions Press.
Green-Field Library Call No.: WM 27.1 R311 2009

Anderzhon, J; Hugues , D; Judd, S; et al. Design for aging: international case studies of building and program (Wiley Series in Healthcare and Senior Living Design).
Green-Field Library does not own.

Green-Field Library does not own.

Golant, S. Aging in the right place.
Seattle, WA: Amazon Digital Services, LLC, 2015.
Green-Field Library does not own.

Green-Field Library does not own.

Shahrestani, S. Internet of things and smart environments: assistive technologies for disability, dementia, and aging.
New York, NY: Springer, 2017
Green-Field Library does not own.
Designing Environments Alzheimer’s Association Green-Field Library, 2019
Green-Field Library Call No.: WX 140 W773 2006

**Videos**

*The green house project.* Parts 1 & 2
Robert Wood Johnson Foundation
18 min.
“The Green House Project is an attempt to design, build and test a radically new approach to residential long-term care for the elderly. It is founded on the idea that the physical and social environments in which we deliver long-term care can and should be warm, smart, and green.” Part 1:
https://www.youtube.com/watch?v=ruo2_wBwZMw;
Part 2: https://www.youtube.com/watch?v=5R8vmm8An5Y

**Home modification resources**
Los Angeles, CA: National Resource Center on Supportive Housing and Home Modification, University of South California.
https://homemods.org/resources/video-list

**Designing for Dementia in Long-Term Care**

**Articles, Journal**

Green-Field Library owns.

Abstract:
http://www.ingentaconnect.com/content/one/asa/2013/00000037/00000003/art00008
Green-Field Library owns.
Ausserhofer, D; Deschodt, M; DeGeest, S; et al. There’s no place like home: a scoping review on the impact of homelike residential care models on resident-, family-, and staff-related outcomes. *Journal of the American Medical Director Association*. Aug 2016; vol. 17(8), pp. 685-693.
Green-Field Library owns.

Abstract: http://www.ltlmagazine.com/article/lighting-older-eyes
Green-Field Library owns.

Green-Field Library owns.

Green-Field Library owns.

Green-Field Library owns.

Green-Field Library owns.
Chaudhury, H; Hung, L; Rust, T; et al. Do physical environmental changes make a difference? Supporting person-centered care at mealtimes in nursing homes. *Dementia.* Jan 12, 2016.
Green-Field Library owns.

Green-Field Library owns

Grant, LA.; Kane, RA.; Connor, RA. et al. Factors to consider in special care unit start-ups. *Journal of Long-term Care Administration.* Win 1996; vol. 23(4), pp. 32-38.
Green-Field Library does not own.

Green-Field does not own.

Lee, KH; Boltz, M; Algase, DL. Is an engaging or soothing environment associated with the psychological well-being of people with dementia in long-term care? *Journal of Nursing Scholarship.* Mar 2017; 49(2), pp. 135-142.
Green-Field Library does not own.

Green-Field Library owns.

Green-Field Library does not own.
Green-Field Library does not own.

Green-Field Library does not own.

Green-Field Library owns.

Full-text: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4269426
Green-Field does not own.

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**Books**

Features: ideas, plans and templates, checklists and tables on structural design, evaluating your medical practice, staffing, role for the family caregiver, health literacy and patient self-management, culturally effective care and health disparities, and medical home-coordination of care. This eBook is in our reference collection. Send an email to greenfield@alz.org with your request for information from this book. Green-Field Library owns.

Brawley, EC. *Design innovations for aging and Alzheimer's: creating caring environments.*
Green-Field Library Call No.: WM 27.1 B826d 2006

Brawley, EC. *Designing for Alzheimer's disease: strategies for creating better care environments.*
Green-Field Library Call No.: WM 27.1 B826 1997

Calkins, MP. *Design for dementia: planning environments for the elderly and the confused.*
Baltimore, MD: Health Professions Press, 1988
Green-Field Library Call No.: WM 27.1 C155f 1988

Designing Environments Alzheimer’s Association Green-Field Library, 2019
Green-Field Library does not own.

Dementia Services Development Center. *10 helpful hints for dementia design at home: practical design solutions for carers living at home with someone who has dementia*. Stirling, SCT: University of Stirling, 2014
Green-Field Library does not own.

Diaz Moor, K. Designing a better day: guidelines for adult and dementia day services centers. Baltimore, MD: Johns Hopkins University Press, 2006.
Green-Field Library Call No.: WT 29 M822 2006

Green-Field Library does not own.

Leibrock, CA. Caring for people with dementia. IN: *Design details for health: making the most of design’s healing potential*, pp. 27-44.
Green-Field Library does not own.

Green-Field Library does not own.

Green-Field Library does not own.
Web Resources

Dementia design info.
Milwaukee, WI: Institute on Aging and Environment: University of Milwaukee.
A Web site for designers, facility providers, and anyone interested in the creation of supportive environments for persons with dementia. Contains searchable databases of environment-aging literature and other practical resources.
http://www4.uwm.edu/dementiadesigninfo

Health promotion by design in long-term care settings.
A study reporting the physical environment impacts and outcomes in resident quality of life, resident safety, and staff stress.
http://www.healthdesign.org/chd/research/health-promotion-design-long-term-care-settings

Green House Project
Contains: understanding the Green House model; the Green House model works; the Green House experience; and more.

Long-term care for people with dementia: environmental design guidelines
Richard Fleming and Nitin Purandare
Full-text: http://ro.uow.edu.au/cgi/viewcontent.cgi?article=1675&context=hbspapers

Nursing home.
Washington DC; National Institute of Building Sciences. Nursing homes present special design challenges in that for most residents the nursing home is not just a facility, but indeed their home. This article discusses building attributes, codes and standards in the U.S. and emerging issues. http://www.wbdg.org/design/nursing_home.php

Physical environmental cues that support activities of residents with dementia in special care units: a thesis presented to the graduate school of the University of Florida in partial fulfillment of the requirements for the degree of master of interior design. (M.A. Thesis)
Bajaj, P.
http://etd.fcla.edu/UF/UFE0001080/bajaj_p.pdf

Designing Environments Alzheimer’s Association Green-Field Library, 2019
http://www.alz.co.uk/adi/pdf/daycarecentre.pdf

Tips on lighting for dementia.  
Pennie Varvarides  
http://www.usailighting.com/stuff/contentmgr/files/1/70d86d75e6038ce3f6552f74ecdfa429/misc/lightingtipsdementia.pdf

Toilet room design.  
Calkins, MP  
Full-text:  
https://www4.uwm.edu/dementiadesigninfo/data/white_papers/Toilet%20Room%20Design.pdf

Home & Safety Design

Articles, Journal

Green-Field Library owns.

Full-text: https://www.ncbi.nlm.nih.gov/pubmed/24195007  
Green-Field Library does not own.

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Books

Adelson, R. *Staying power: age-proof your home for comfort, safety, and style.*
Green-Field Library does not own.

Feddersen, E; Ludtke, I. *Lost in space.*
Berlin, GR: Birkhauser, 2014
Green-Field Library does not own.

Taria, ED; Carlson, J. *Aging in place: designing, adapting, and enhancing the home environment.*
Green-Field Library does not own.

Smith, PTM. *Dementia care – the adaptive response: a stress reductionist approach*
Forence, KY: Routledge, 1999
Green-Field Library does not own.

Smith, PTM. *Design for dementia: moving to excellence.*
Paul T.M. Smith, 2015
Green-Field Library does not own.

Warner, ML.  *The complete guide to Alzheimer’s-proofing your home.*

Web Resources

*At home with Alzheimer’s: useful adaptations to the home environment*
Ottawa, ON: Canada Mortgage and Housing Corporation.
“The safety and security of someone living at home with Alzheimer’s disease can be significantly improved by making minor, low-cost changes in a house or apartment. These practical adaptations will be of help to both the Alzheimer patient and their caregivers.”
https://sagelink.ca/at_home_with_alzheimer%27s_disease_adaptations_to_home
Caregiver's guide to home modification.
Warner, M.; Warner, E.
http://www.ec-online.net/Knowledge/Articles/homemodify.html

Center of Design for an Aging Society.
Portland, OR. Includes information on home design, especially lighting and design plans for lighting, hearing considerations, and ease of access.
http://www.centerofdesign.org

HMRC library (Home Modification Resource Center).
Los Angeles California: National Resource Center on Supportive Housing and Home Modification.
A directory of home modification resources and consumer information including many full-text articles and videos.
https://homemods.org/resources/links/home-modification

Home safety for people with Alzheimer's disease
Bethesda, MD: ADEAR (Alzheimer's Disease Education and Referral Center), 2007.

A guide for families keeping the person with memory loss safer at home.
https://www.va.gov/geriatrics/Alzheimers_And_Dementia_Care.asp

Safety and security.
Islip, NY: Eldercare Online.
Scroll down to find various articles on home safety, modification, locks, alarms, and deterrents and diversion for wandering.
http://www.ec-online.net/homechannel.htm
**Outdoor Design**

**Articles, Journal**


Green-Field Library owns.


Full-text: [http://www.chalfontdesign.com/media/Nursing_ResCare_Vol_7_Issue_10.pdf](http://www.chalfontdesign.com/media/Nursing_ResCare_Vol_7_Issue_10.pdf)

Green-Field Library does not own.

Chalfont, G. Dementia care garden: innovation in design and practice

*Journal of Dementia Care*. Jan-Feb 2008; vol. 16(1), pp. 18-29.


Green-Field Library owns.


Abstract: [http://www.tandfonline.com/doi/abs/10.1300/J081v21n01_09#.UydF3PldW8A](http://www.tandfonline.com/doi/abs/10.1300/J081v21n01_09#.UydF3PldW8A)

Green-Field Library does not own.


Green-Field Library owns.

Detweiler, MB; Murphy, PF; Kim, KY; et al. Scheduled medications and falls in dementia patients utilizing a wander garden. *American Journal of Alzheimer’s Disease and Other Dementias*. Aug-Sep 2009; vol. 24(4); pp 322-332.


Green-Field Library owns.
Detweiler, MB; Sharma, T; Detweiler, JG; et al. What is the evidence to support the use of therapeutic gardens for the elderly? *Psychiatry Investigation*. Jun 2012; vol. 9(2), pp. 100-110.
Green-Field Library doesn’t own

Green-Field Library owns.

Green-Field Library owns.

Full-text: [http://dem.sagepub.com/content/5/1/139.full.pdf](http://dem.sagepub.com/content/5/1/139.full.pdf)
Green-Field Library owns.

Grant, CF. Garden-use model- an environmental tool for increasing the use of outdoor space by residents with dementia in long-term care facilities. *Journal of Housing for the Elderly*. 2007; vol. 21(1-2), pp. 89-115.
Abstract: [http://www.tandfonline.com](http://www.tandfonline.com)
Green-Field Library does not own.

Green-Field Library does not own.

Goto, S; Park, BJ; Tsunetsuga, Y; et al. The effect of garden designs on mood and heart output in older adults residing in an assisted living facility. *HERD*. Winter 2013; vol. 6(2), pp. 27-72.
Green-Field Library does not own.

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Designing Environments Alzheimer’s Association Green-Field Library, 2019
Green-Field Library owns.

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Moore, K. Restorative dementia gardens: exploring how design may ameliorate attention fatigue. *Journal of Housing for the Elderly*. 2007, vol. 21(1-), pp. 73-88. Abstract: http://www.tandfonline.com
Green-Field Library does not own.

Green-Field Library owns.
Green-Field Library owns.

Whear, R; Coon, JT; Bethel, A; et al. What is the impact of using outdoor spaces such as gardens on the physical and mental well-being of those with dementia? A systematic review of quantitative and qualitative evidence. *Journal of the American Medical Directors Association*. Oct 2014; vol. 15(10), pp. 697-707.
Full-text: https://www.ncbi.nlm.nih.gov/pubmed/25037168
Green-Field Library owns.

Full-text: http://journals.sagepub.com/doi/pdf/10.1177/147130120600500111
Green-Field Library owns.

Abstract: http://www.tandfonline.com
Green-Field Library does not own.

**Books and Book Chapters**

Green-Field Library does not own.

Chalfont, GE. *Design for nature in dementia care (Bradford Dementia)*
Green-Field Library does not own.

Green-Field Library Call No.: WT 155 E93 2007
Green-Field Library does not own.

Green-Field Library Call No.: WM 27.1 H434 1999

Marshall, A; Pollock, M. *Designing outdoor spaces for people with dementia.* Stirling, SCT: University of Scotland, Dementia Centre & Dementia Services Development Centre, 2012.
Green-Field Library does not own.

*Safe and usable outdoor spaces for older adults: planning and design; Value of nature to older adults; improving out access for older adults.* College Station, TX: Access to Nature, 2014.
Green-Field Library does not own.

Green-Field Library does not own.

**Web Resources**

*Dementia care environment audit tool*
Alzheimer’s Australia

*Gardens that care: the importance of garden environments in the care of people with dementia*
Graham-Cochrane, T.
Alzheimer’s Australia
Why nature is important to older people and people with dementia.
Chalfont, G.E. IN: *Connection to nature at the building edge: towards a therapeutic architecture for dementia care environments* (Ph.D. Thesis).
Sheffield, UK: University of Sheffield, 2006.
http://www.chalfontdesign.com/media/why.pdf

*Therapeutic landscape network.*
Beacon, NY: Therapeutic Landscapes Resource Center, Inc. Examples of gardens in healthcare facilities.
http://www.healinglandscapes.org/index.html

### Designing Environments for Alzheimer's Disease

A selected list of references

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