

Global societal burden of Alzheimer's disease by severity: A targeted literature review

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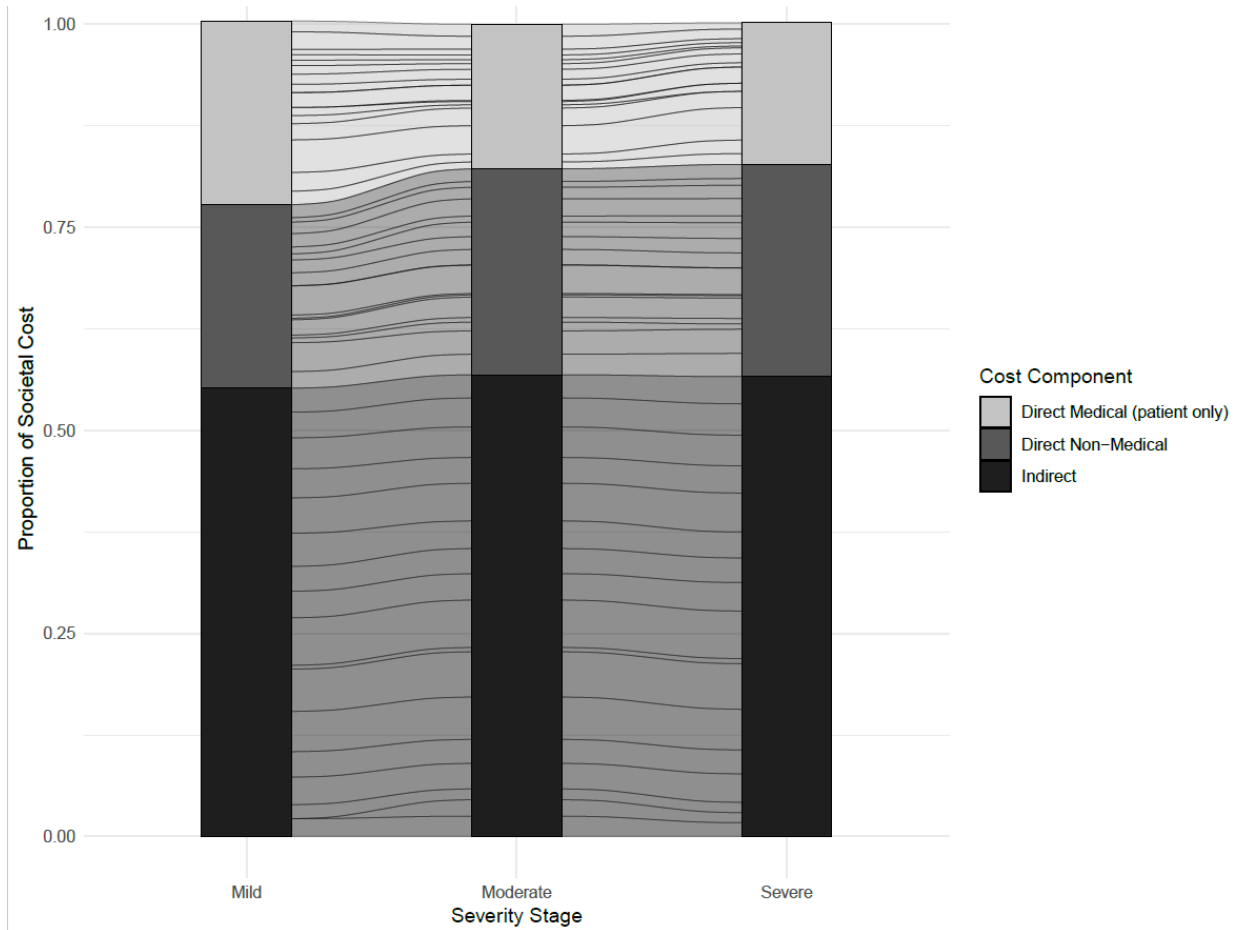
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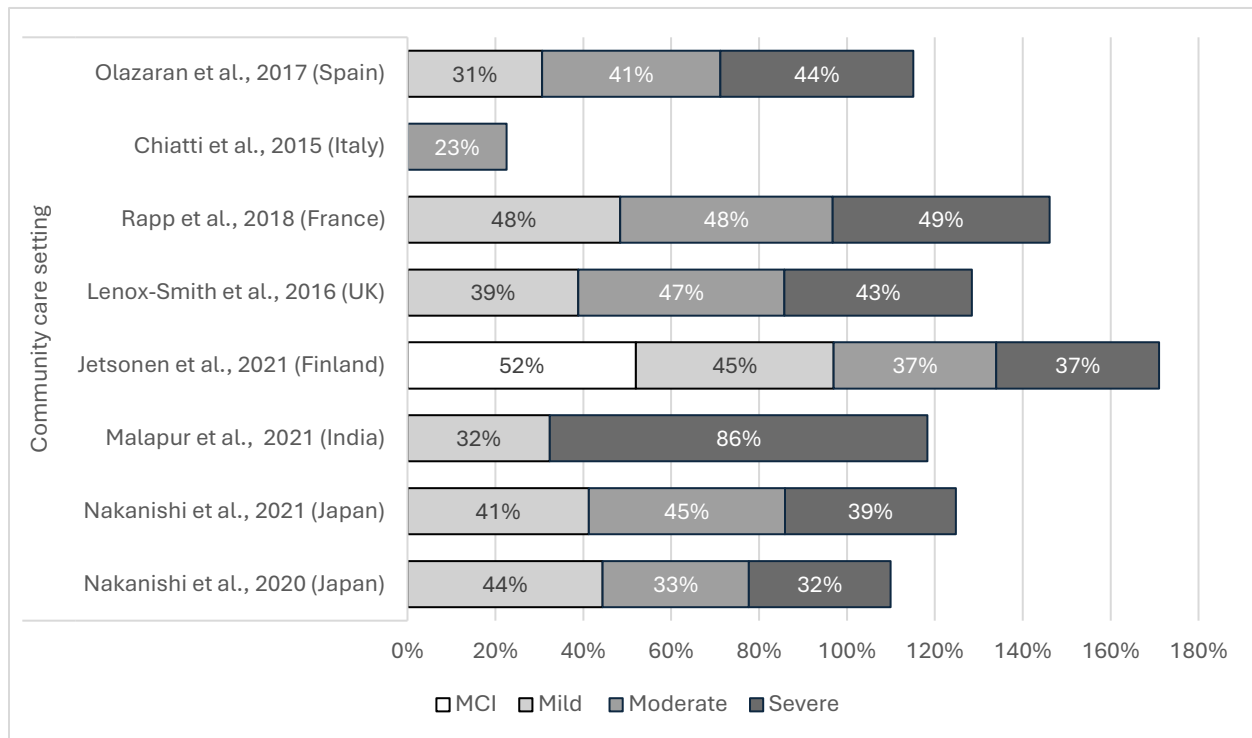
Figure S1. Proportion of societal cost attributed to direct medical, direct non-medical, and indirect costs across studies (n=17)



Severe includes moderately severe/severe

Studies that reported overall societal cost and its components consisting of direct medical, direct non-medical and indirect costs were used to create Figure S1, for both the community care and mixed care setting (n=17). There were not enough studies reporting these components for the Institutional care setting, and thus a corresponding graph was not created. Studies used to create this graph reported discrete costs for mild, moderate and moderately severe or severe for each component. The cost of each individual component was divided by its associated and reported societal cost to calculate the proportion they attributed to the total cost for each study included in the figure. The proportions were then normalized for each component by disease severity to create the figure (i.e., each value/ total sum for mild, moderate, and severe AD, respectively)

Figure S2. Proportion of societal cost made up of total direct costs within each health state



Chiatti, 2015 only reports on moderate disease severity

Severe includes moderately severe/severe; MCI=mild cognitive impairment

*Only includes studies reporting on societal cost and total direct costs at each disease severity discretely (e.g., proportion of total direct cost at mild AD was calculated by dividing the total direct cost by total societal cost in the mild AD stage only)

Table S1a. Alzheimer's disease targeted literature search strategy

Step	Searches	Results
1	Alzheimer disease/ or ((Cognitive Dysfunction/ or Dementia/) and Alzheimer\$.ti,ab.)	404974
2	*Economics/ or (exp *"Costs and Cost Analysis"/ not (Cost-Benefit Analysis/ or Cost-Effectiveness Analysis/)) or *Hospital Costs/	179832
3	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic*).ti.	486847
4	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic* or budget*).ab. /freq=2	833916
5	*Drug Utilization/ec or "Facilities and Services Utilization"/ec	621
6	("resource use?" or resource utili#ation or resource usage or "health care use" or health care utili#ation or health care usage or "healthcare use?" or healthcare utili#ation or healthcare usage or "drug use?" or drug utili#ation or drug usage or "medication use?" or medication utili#ation or medication usage).ti,ab.	360670
7	*Hospitalization/ec or "Length of Stay"/ec or Patient Admission/ec or (((hospital* or length) adj2 stay*) or (length adj1 hospitali#ation*) or ICU or inpatient? or readmission? or re-admission?).ti,ab. /freq=2	552013
8	*Caregiver Burden/ec or (carer burden or caregiver burden or parent burden or spouse burden or parent support or spousal support or family support).ti,ab.	35361
9	Caregivers/ or (caregiver? or care-giver? or carer?).ti,ab.	316125
10	Efficiency/ec or Absenteeism/ec or (productivit* or WPAI or work limitation*).ti,ab. or (work absence or work loss or work disability or working ability or work limitation or working limitation or work incapacity or working incapacity or work capacity or working capacity or work impairment or working impairment).ti,ab.	215234
11	Activities of Daily Living/ec or Social Participation/ec or Recreation/ec or Behavior Control/ec or ("activities of daily living" or "daily living activity" or ADL? or IADL? or "chronic limitation of activity" or (social adj1 (participation or engagement)) or recreation or (behavio#r* adj1 (control or manipulation or management))).ti,ab.	143092
12	9 and (10 or 11)	12443
13	or/2-8,12	1908051
14	1 and 13	9955
15	(Adolescent/ or exp Child/ or exp Infant/) not (exp Adult/ and (Adolescent/ or exp Child/ or exp Infant/)) [CHILDREN <19 REMOVE]	4784424
16	Single-Case Studies as Topic/ or Case Reports/ or (((case series or case-base or case) adj3 (stud\$ or design?)) or (case adj1 (stud\$ or report?))).tw,kw,kf. [Remove case and case-series studies - MEDLINE]	4078741

17	exp Animals/ not (exp Animals/ and Humans/) [ANIMAL STUDIES ONLY - REMOVE - MEDLINE]	17008980
18	(address or autobiography or bibliography or biography or comment or dictionary or directory or editorial or "expression of concern" or festschrift or historical article or interactive tutorial or lecture or legal case or legislation or news or newspaper article or patient education handout or personal narrative or portrait or video-audio media or webcast or letter).pt. [Opinion publications - Remove -MEDLINE]	5060454
19	14 not (15 or 16 or 17 or 18)	7691
20	limit 19 to english language	7302
21	limit 20 to yr="2013 -Current"	4328
22	21 use ppezv [MEDLINE results]	1513
23	Alzheimer disease/ or ((cognitive defect/ or dementia/ or mild cognitive impairment/) and Alzheimer\$.ti,ab.)	407850
24	*economics/ or cost/ or health economics/ or health care cost/ or *hospital cost/ or *hospitalization cost/	463295
25	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic*).ti.	486847
26	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic* or budget*).ab. /freq=2	833916
27	*drug utilization/ or *health care utilization/ or "facilities and services utilization"/	76356
28	("resource use?" or resource utili#ation or resource usage or "health care use" or health care utili#ation or health care usage or "healthcare use?" or healthcare utili#ation or healthcare usage or "drug use?" or drug utili#ation or drug usage or "medication use?" or medication utili#ation or medication usage).ti,ab.	360670
29	*hospitalization/ or "length of stay"/ or *hospital admission/ or (((hospital* or length) adj2 stay*) or (length adj1 hospitali#ation*) or ICU or inpatient? or readmission? or re-admission?).ti,ab. /freq=2	858161
30	*caregiver burden/ or *caregiver support/ or *caregiver burnout/ or Caregiver Strain Index/ or (carer burden or caregiver burden or parent burden or spouse burden or parent support or spousal support or family support).ti,ab.	38712
31	caregiver/ or (caregiver? or care-giver? or carer?).ti,ab.	308884
32	productivity/ or absenteeism/ or (productivit* or WPAI or work limitation*).ti,ab. or (work absence or work loss or work disability or working ability or work limitation or working limitation or work incapacity or working incapacity or work capacity or working capacity or work impairment or working impairment).ti,ab.	268350
33	daily life activity/ or social participation/ or recreation/ or behavior control/ or ("activities of daily living" or "daily living activity" or ADL or IADL? or "chronic limitation of activity" or (social adj1 (participation or engagement)) or recreation or (behavio#r* adj1 (control or manipulation or management))).ti,ab.	256177
34	31 and (32 or 33)	17760
35	or/24-30,34	2399237

36	23 and 35	12424
37	(exp adolescent/ or exp child/ or exp infant/) not (exp adult/ and (exp adolescent/ or exp child/ or exp infant/)) [CHILDREN <18 REMOVE]	4784548
38	case study/ or family study/ or Case Report/ or (((case series or case-base or case) adj3 (stud\$ or design?)) or (case adj1 (stud\$ or report?))).tw,kw,kf. [Remove case and case-series studies - Embase]	6370821
39	(exp animal/ or exp animal experimentation/ or exp animal model/ or exp animal experiment/ or nonhuman/ or exp vertebrate/) not (exp human/ or exp human experimentation/ or exp human experiment/) [ANIMAL STUDIES ONLY - REMOVE - EMBASE]	12690954
40	(editorial or note or short survey or tombstone or letter or conference review or books or chapter).pt. [OPINION PIECES REMOVE - Embase]	5542474
41	36 not (37 or 38 or 39 or 40)	10967
42	conference abstract.pt.	5179662
43	41 and 42 [CONFERENCE ABSTRACTS ONLY]	1879
44	limit 43 to yr="2022 -Current"	232
45	41 not 42 [CONFERENCE ABSTRACTS REMOVED]	9088
46	44 or 45 [LAST 3 YRS OF ABSTRACTS RETAINED]	9320
47	limit 46 to (english language and yr="2013 -Current")	4986
48	47 use oomezd [Embase results]	3412
49	22 or 48	4925
50	remove duplicates from 49	3551

Table S1b. Dementia targeted literature search strategy

Step	Searches	Results
1	*Dementia/ec or dementia?.ti.	158266
2	(institution* or 'residential home' or 'residential homes' or 'nursing home' or 'nursing homes' or 'care home' or 'care homes' or 'residential facilities' or 'dementia home' or 'dementia homes' or 'dementia facilities' or 'respite care' or 'care home residents').ti. and (cost or costs or economic or economics or fiscal or financial or expenditure or expenditures or budget* or monetary or utili#ation or allocat*).ti,ab.	6639
3	(institution* or 'residential home' or 'residential homes' or 'nursing home' or 'nursing homes' or 'care home' or 'care home' or 'residential facilities' or 'dementia home' or 'dementia homes' or 'dementia facilities' or 'respite care' or 'care home residents').ti. and ((length adj stay*) or (duration adj stay*) or admission*).ti,ab.	7811
4	('social care' or (social adj work*) or 'community care' or 'community service' or 'community services' or 'memory clinic' or 'memory clinics' or 'unpaid care' or 'informal care' or 'home care' or 'domiciliary care').ti. and (cost or costs or economic or economics or fiscal or financial or expenditure or expenditures or budget* or monetary or utili#ation or allocat*).ti,ab.	6530
5	2 or 3 or 4	19741
6	1 and 5	1074
7	*Economics/ or (exp **Costs and Cost Analysis"/ not (Cost-Benefit Analysis/ or Cost-Effectiveness Analysis/)) or *Hospital Costs/	182225
8	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic*).ti.	499249
9	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic* or budget*).ab. /freq=2	862696
10	7 or 8 or 9	1125859
11	((((financial or credit?) adj1 delinquen*) or ((payment? or bills or invoice? or credit) adj1 (late or past-due)) or (scam? adj1 (vulnerable* or impair* or risk)) or ("use" or usage or utili#ation) adj2 (legal system or court?)) or ((emergency or fire department or police or paramedic*) adj2 (service? or callout? or "use" or usage or utili#ation or ((health or mental or welfare or wellness) adj2 check?))))).ti,ab.	76684
12	1 and 10 and 11	16
13	6 or 12	1088
14	(Adolescent/ or exp Child/ or exp Infant/) not (exp Adult/ and (Adolescent/ or exp Child/ or exp Infant/))	4862196
15	Single-Case Studies as Topic/ or Case Reports/ or (((case series or case-base or case) adj3 (stud\$ or design?)) or (case adj1 (stud\$ or report?))).tw,kw,kf.	4170496
16	exp Animals/ not (exp Animals/ and Humans/)	17138639

17	(address or autobiography or bibliography or biography or comment or dictionary or directory or editorial or "expression of concern" or festschrift or historical article or interactive tutorial or lecture or legal case or legislation or news or newspaper article or patient education handout or personal narrative or portrait or video-audio media or webcast or letter).pt.	5158819
18	13 not (14 or 15 or 16 or 17)	891
19	limit 18 to english language	850
20	limit 19 to yr="2019 -Current"	404
21	20 use ppezv	180
22	*dementia/ec or dementia?.ti.	158266
23	(institution* or 'residential home' or 'residential homes' or 'nursing home' or 'nursing homes' or 'care home' or 'care homes' or 'residential facilities' or 'dementia home' or 'dementia homes' or 'dementia facilities' or 'respite care' or 'care home residents').ti. and (cost or costs or economic or economics or fiscal or financial or expenditure or expenditures or budget* or monetary or utilization or allocat*).ti,ab.	6639
24	(institution* or 'residential home' or 'residential homes' or 'nursing home' or 'nursing homes' or 'care home' or 'care homes' or 'residential facilities' or 'dementia home' or 'dementia homes' or 'dementia facilities' or 'respite care' or 'care home').ti. and ((length adj stay*) or (duration adj stay*) or admission*).ti,ab.	7811
25	('social care' or (social adj work*) or 'community care' or 'community service' or 'community services' or 'memory clinic' or 'memory clinics' or 'unpaid care' or 'informal care' or 'home care' or 'domiciliary care').ti. and (cost or costs or economic or economics or fiscal or financial or expenditure or expenditures or budget* or monetary or utilization or allocat*).ti,ab.	6530
26	23 or 24 or 25	19741
27	22 and 26	1074
28	*economics/ or cost/ or health economics/ or health care cost/ or *hospital cost/ or *hospitalization cost/	471036
29	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic*).ti.	499249
30	(economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic* or pharmaco-economic* or budget*).ab. /freq=2	862696
31	28 or 29 or 30	1297417
32	((((financial or credit) adj1 delinquenc*) or ((payment? or bills or invoice? or credit) adj1 (late or past-due)) or (scam? adj1 (vulnerable* or impair* or risk)) or (("use" or usage or utilization) adj2 (legal system or courts)) or ((emergency or fire department or police or paramedic*) adj2 (service? or callouts or "use" or usage or utilization or ((health or mental or welfare or wellness) adj2 check?))))).ti,ab.	76684
33	31 and 32	4675
34	22 and 33	19
35	27 or 34	1091
36	(exp adolescent/ or exp child/ or exp infant/) not (exp adult/ and (exp adolescent/ or exp child/ or exp infant/))	4862324

37	case study/ or family study/ or Case Report/ or (((case series or case-base or case) adj3 (stud\$ or design?)) or (case adj1 (stud\$ or report?))).tw,kw,kf.	6494196
38	(exp animal/ or exp animal experimentation/ or exp animal model/ or exp animal experiment/ or nonhuman/ or exp vertebrate/) not (exp human/ or exp human experimentation/ or exp human experiment/)	12875264
39	(editorial or note or short survey or tombstone or letter or conference review or books or chapter).pt.	5659228
40	conference abstract.pt.	5289920
41	35 not (36 or 37 or 38 or 39 or 40)	941
42	limit 41 to english language	891
43	limit 42 to yr="2019 -Current"	358
44	43 use oomezd	177
45	21 or 44	357
46	remove duplicates from 45	192

Table S2. Characteristics of included studies

Author, year	Research Question	Study Design	Country or Region	Care Setting	Disease of Focus	Disease Severity	Disease Severity Instrument
UK Alzheimer's Society, 2024 [1]	RQ1, RQ2, RQ3, RQ4	Report	UK	Community & Institutional care	Dementia	Mild, Moderate, Severe	MMSE
Alzheimer's Disease, Facts and Figures, 2024 [2]	RQ1, RQ2, RQ3	Report	US	Community & Institutional care	Dementia	Mild, Moderate, Severe	NR
Lacey, 2013 [3]	RQ1, RQ4	Prospective	US and EU (Finland, France, Germany, Spain, Sweden, UK)	Community care	AD	Mild to Moderate	DS, MMSE, DAD
Costa, 2013 [4]	RQ1, RQ3	SLR	Global	Community & Institutional care	Dementia	Mild, Moderate, Severe	MMSE
Colucci, 2014 [5]	RQ1, RQ2	SLR	Global	Community & Institutional care	Dementia	Very mild, mild, moderate, severe, very severe	MMSE, DAD
Takizawa, 2014 [6]	RQ1, RQ3	SLR	Global	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Schaller, 2015 [7]	RQ1	SLR	Global	Community care	Dementia	Mild, Moderate, Severe	MMSE, CDR
Klimova, 2016 [8]	RQ1	SLR	Global	NR	AD	Overall disease severity*	NR
Mattap, 2022 [9]	RQ1	SLR	Global	Community & Institutional care	Dementia	Overall disease severity*	CDR; FAST, ICD-10, clinical diagnosis
Maresova, 2018b [10]	RQ1	SLR	Global	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE, DS
Cantarero-Prieto, 2019 [11]	RQ1, RQ3	SLR	Global	Community & Institutional care	Dementia	Overall disease severity*	NR
Maresova, 2019 [12]	RQ1	SLR	Global	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Maresova, 2020 [13]	RQ1	SLR	Global	Community & Institutional care	Mixed dementia	Overall disease severity*	MMSE, CDR, DS, GDS, and other functional

							disability assessments
Kliess, 2021 [14]	RQ1, RQ2, RQ3	SLR	Global	Community & Institutional care	AD	MCI, Mild, Moderate, Severe	MMSE, CDR
Monfared, 2022 [15]	RQ1, RQ3	SLR	Global	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE, CDR
Wimo, 2022 [16]	RQ1	SLR	Global	NR	Dementia	Overall disease severity*	Institute for Health Metrics and Evaluation estimates
Kenne-Malaha, 2023 [17]	RQ1, RQ3	SLR	Global	Community & Institutional care	Dementia	Mild, Moderate, Severe	MMSE, FAST, by drug dispensed, or by none, depending on included study
Tay, 2024 [18]	RQ1, RQ2	SLR	Global	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Maresova, 2016 [19]	RQ1	Retrospective	Czech Republic, France, Germany, Italy, Sweden, UK	NR	AD+ PD	Mild, Moderate	NR
Cimler, 2019 [20]	RQ1	Simulation study	Europe; pooled data from 28 countries	NR	AD	Mild, Moderate, Severe	NR
Jonsson, 2022 [21]	RQ1, RQ3	SLR & metanalysis	Europe +UK	Community & Institutional care	Dementia	Mild, Moderate, Severe	MMSE, CDR, GDS
Maresova, 2024 [22]	RQ1	Mathematical modelling study	Europe (data encompasses Greece, Sweden, Germany, France, Italy, Austria, UK, Czech Republic)	NR	AD	Mild, Moderate, Severe	NR
Wimo, 2013 [23]	RQ1, RQ3	Prospective	France, Germany, UK	Community care	AD	Mild, Moderate, Severe	MMSE
Haro, 2014 [24]	RQ3	Prospective	France, Germany, UK (pooled data)	Community care	AD	Mild, Moderate, Severe	MMSE
Dodel, 2015 [25]	RQ1	Prospective	France, Germany, UK	Community care	AD	Mild, Moderate, Severe	MMSE

Reed, 2016 [26]	RQ1, RQ3	Prospective	France, Germany, UK (pooled data)	Community care	AD	Mild, Moderate, Severe	MMSE
Belger, 2019 [27]	RQ3	Prospective	France, Germany, UK (pooled data)	Community care	AD	Mild, Moderate, Moderately severe/Severe	MMSE
Jones, 2017 [28]	RQ1, RQ3	Prospective	France, Germany, UK (pooled data)	Community care	AD	Mild	MMSE
Reed, 2017 [29]	RQ1	Prospective	France, Germany, UK	Community care	AD	Mild, Moderate, Severe	MMSE
Maresova, 2018a [30]	RQ1, RQ3	SLR & metanalysis	France, Spain	Community care	AD	Mild, Severe	MMSE, CDR
Gerves, 2014 [31]	RQ1, RQ3	Retrospective	France	Community care	AD	Mild, Moderate to Severe	MMSE
Rapp, 2018 [32]	RQ1, RQ3	Prospective	France	Community care	AD	Mild, Moderate, Severe	MMSE
Dauphinot , 2021 [33]	RQ1	Retrospective	France	Community care	AD	Mild to Moderate, Moderate, Moderately severe/severe	MMSE
Dauphinot, 2022 [34]	RQ1	Retrospective	France	Community care	AD	SCC, MCI, Mild, Moderate, Severe	MMSE
Olazaran, 2017 [35]	RQ1, RQ3	Prospective	Spain	Community care	AD	Mild, Moderate, Severe	MMSE
Darba, 2015 [36]	RQ1, RQ3	Prospective	Spain	Community care	AD	Mild, Moderate, Severe	CDR
Ruiz-Adame, 2019 [37]	RQ1, RQ3	Retrospective	Spain	Community care	AD	Mild, Moderate, Severe	GDS
Turro-Garriga, 2020 [38]	RQ1, RQ3	Prospective	Spain	Community care	AD	Mild to Moderate	DS & MMSE
Casado, 2022 [39]	RQ1	SLR	Spain	NR	AD	MCI, Mild, Moderate, Severe	MMSE, CDR, GDS
Inoriza, 2023 [40]	RQ1	Retrospective	Spain	NR	Mixed dementia	Mild, Moderate, Severe	CDR

Gomez-Maldonado, 2024 [41]	RQ1, RQ3	Retrospective	Spain	Community & Institutional care	AD	Mild, Moderate, Severe	disease severity was indicated by the last clinical report from the specialist††
Chiatti, 2015 [42]	RQ1, RQ3	Retrospective	Italy	Community care	AD	Moderate	MMSE
Bruno, 2018 [43]	RQ1, RQ3	Prospective	Italy	Community care	AD	Mild, Moderate, Severe	MMSE
Martins, 2022 [44]	RQ1, RQ3, RQ4	Simulation study	Germany	Community care	AD	MCI, General AD	MMSE
Gillespie, 2013 [45]	RQ3	Retrospective	Ireland	Community care	AD	MCI, Mild, moderate	DS, DAD, MMSE
Jones, 2015 [46]	RQ1	Prospective	UK	Community & Institutional care	AD	Moderate, Severe	MMSE & DAD
Knapp, 2016 [47]	RQ2	Prospective	UK	Community care	AD	Mild, Moderate, Severe	MMSE
Lenox-Smith, 2016 [48]	RQ1, RQ3	Prospective	UK	Community care	AD	Mild, Moderate, Severe	MMSE
Henderson, 2019 [49]	RQ1, RQ3	Retrospective	UK	Community care	Mixed dementia	Mild to moderate	MMSE
Vossius, 2014 [50]	RQ1, RQ2	Prospective	Norway	Community & Institutional care	Mixed dementia	Mild	MMSE
Jetsonen, 2021 [51]	RQ1, RQ3	Prospective	Finland	Community care	Mixed dementia	MCI, Mild, Moderate, Severe	CDR-SB
Van Hezik-Wester, 2023 [52]	RQ3	Prospective	Netherlands	Community & Institutional care	AD	Mild, Moderate, Severe	based on survey responses and the IQCODE-N
Holmerova, 2017 [53]	RQ1, RQ3	Prospective	Czech Republic	Community & Institutional care	Mixed dementia	Mild, Moderate, Severe	MMSE
Takechi, 2019 [54]	RQ1, RQ2, RQ3	Prospective	Japan	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Nakanishi, 2020 [55]	RQ1, RQ3	Prospective	Japan	Community care	AD	Mild, Moderate, Severe	MMSE

Ashizawa, 2021 [56]	RQ1	Retrospective	Japan	Institutional care	AD	Mild, Moderate, Severe	MMSE
Nakanishi, 2021 [57]	RQ1, RQ3	Prospective	Japan	Community care	AD	Mild, Moderate, Severe	MMSE
Oba, 2021 [58]	RQ1, RQ4	Prospective	Japan	Community care	AD	Mild, Moderate, Severe	FAST
Fukuda, 2023 [59]	RQ1	Retrospective	Japan	Community care	AD	MCI, General AD	ICD-10 scores (F067 for MCI; G30 for AD)
Takechi, 2023 [60]	RQ1, RQ3	Retrospective	Japan	Community care	AD	MCI, Mild	MMSE & CDR
Keogh-Brown, 2016 [61]	RQ1	Simulation	China	NR	AD	Mild to Moderate, Severe	CDR
Jia, 2019 [62]	RQ4	Prospective	China	Community & Institutional care	AD	Overall AD	NR
Yan, 2019 [63]	RQ1, RQ2	Retrospective	China	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Yu, 2021 [64]	RQ1	Prospective	China	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Kongpakwattana, 2019 [65]	RQ1, RQ2	Prospective	Thailand	Community & Institutional care	AD	Mild, Moderate, Severe	MMSE
Aajami, 2019 [66]	RQ1, RQ3	Prospective	Iran	NR	AD	Mild, Moderate	MMSE
Malapur, 2021 [67]	RQ1	Prospective	India	Community care	Mixed dementia	Mild to Moderate, Severe	CDR

Gaskin, 2017 [68]	RQ1, RQ2, RQ3	SLR	Canada	Community & Institutional care	Mixed dementia	Overall disease severity*	MMSE
Szabo, 2019 [69]	RQ1, RQ3	Retrospective	Canada	Community care	AD	Mild, Moderate, Severe	MMSE
Zhu, 2013 [70]	RQ1, RQ3	Prospective	US	NR	AD	MCI	MMSE & ADAS-cog
Michaud, 2017 [71]	RQ1, RQ3	Prospective	US	NR	AD	Mild, Moderate, Severe	DS
Ton, 2017 [72]	RQ1, RQ3	Retrospective	US	Community & Institutional care	AD	MCI, Mild, Moderate, Severe	CDR-SB
Chen, 2018 [73]	RQ3	Retrospective	US	NR	AD	MCI, Mild, Moderate	MMSE
Dibenedetti, 2020 [74]	RQ3	Prospective	US	NR	AD	MCI, Mild, Moderate, Severe	NR; based on pathology (positive findings of amyloid proteins via emission topographic scan or cerebrospinal fluid), and based on physician's diagnosis.
Robinson, 2020 [75]	RQ1, RQ3	Prospective	US	Community care	AD	MCI, Mild	MMSE & FAQ
Long, 2022 [76]	RQ2	Retrospective	US	Community & Institutional care	Dementia	MCI, Dementia	FAQ
Chandler, 2023 [77]	RQ1	Retrospective	US	NR	AD	MCI, Mild	MMSE & FAQ
Chandler, 2023b [78]	RQ1, RQ3	Prospective	US	NR	AD	MCI, Mild	MMSE & FAQ
Monfared, 2023 [79]	RQ1, RQ2, RQ3	Retrospective	US	Community & Institutional care	AD	MCI, Mild, Moderate, Severe	MMSE
Monfared, 2024 [80]	RQ1, RQ3, RQ4	Prospective	US	Community & Institutional care	AD	MCI, Mild, Moderate, Severe	MMSE
Callahan, 2024 [81]	RQ3	SLR	US	Community & Institutional care	AD	Mild, Moderate, Severe	severity self-identified by participants

SLRs reporting overall disease severity were included because they contained relevant articles which had data extracted for specific disease severities

IQCODE-N scores relate to: 3.01-3.5 refer to slight decline; 3.51-4 refer to moderate decline; ≥ 4.01 is severe decline

†† Subgroup analyses were presented according to three stages of AD: mild (mild forgetfulness, problems with concentration), moderate (important memory loss, help needed for self-care, disoriented in time and in space, and severe (severe memory loss, loss of autonomy outside of the home, significant help needed for self-care)

Abbreviations: AD=Alzheimer's disease; ADAS-cog=Alzheimer's disease assessment scale- Cognitive Subscale; CDR-SB=clinical dementia rating sum of boxes; DAD=Disability assessment for Dementia; DS=Dependence scale; FAQ=Functional activities questionnaire; FAST=Functional assessment staging; GDS=Global deterioration scale; MCI =Mild cognitive impairment; MMSE=Mini mental state exam; PD=Parkinson's disease; UK=United Kingdom; RQ1=Economic burden of AD; RQ2=AD Institutional care vs Community care costs; RQ3=Caregiver burden; RQ4 =Unique indirect costs due to AD; SCC=Subjective cognitive complaints; SLR=Systematic Literature Review

Table S3. Mean total societal cost incurred by patients with AD and dementia, stratified by dementia severity

Author, Year	Country	Care Setting	Cost Year	Units	MCI/ Very Mild	Mild	Mild-to-moderate	Moderate	Moderate-to-severe	Severe-to-very severe
Schaller, 2015 [7]	Multiple countries	Community & Institutional care	2013	PPPY	NR	\$22,113	NR	\$42,930	NR	\$51,659
Maresova, 2019 [12]	Global	NR	NR	PPPY	NR	€ 16,659	NR	€ 22,677	NR	€ 33,726
Wimo, 2022 [16]	Global: Low-income countries	NR	2019	US \$ billion	NR	\$1.5	NR	\$1.0	NR	\$1.5
Wimo, 2022 [16]	Global: Lower-middle-income countries	NR	2019	US \$ billion	NR	\$24.8	NR	\$17.2	NR	\$18.9
Wimo, 2022 [16]	Global: Upper-middle-income countries	NR	2019	US \$ billion	NR	\$99.7	NR	\$72.4	NR	\$103.1
Wimo, 2022 [16]	Global: Low- and middle-income countries	NR	2019	US \$ billion	NR	\$126.0	NR	\$90.6	NR	\$123.4
Wimo, 2022 [16]	Global: High-income countries	NR	2019	US \$ billion	NR	\$302.5	NR	\$309.2	NR	\$359.9
Wimo, 2022 [16]	Global	NR	2019	US \$ billion	NR	\$428.5	NR	\$399.7	NR	\$483.4
Wimo, 2022 [16]	Global: Low-income countries	NR	2019	US \$ per person with dementia	NR	\$2,122	NR	\$2,836	NR	\$4,897
Wimo, 2022 [16]	Global: Lower-middle-income countries	NR	2019	US \$ per person with dementia	NR	\$5,486	NR	\$7,448	NR	\$9,385
Wimo, 2022 [16]	Global: Upper-middle-income countries	NR	2019	US \$ per person with dementia	NR	\$8,453	NR	\$11,558	NR	\$18,518
Wimo, 2022 [16]	Global: Low- and middle-	NR	2019	US \$ per person with dementia	NR	\$7,405	NR	\$10,150	NR	\$15,654

	income countries									
Wimo, 2022 [16]	Global: High-income countries	NR	2019	US \$ per person with dementia	NR	\$30,445	NR	\$51,869	NR	\$65,749
Wimo, 2022 [16]	Global	NR	2019	US \$ per person with dementia	NR	\$15,899	NR	\$26,859	NR	\$36,180
Mattap, 2022 [9]	Iran, Argentina, Brazil, Thailand, Malaysia, Colombia, India, China, China, Turkey	Community & Institutional care	2019 (USD)	Absolute cost	NR	\$4,626	NR	\$6,904	NR	\$8,588
Mattap, 2022 [9]	Iran, Argentina, Brazil, Thailand, Malaysia, Colombia, India, China, China, Turkey	Community & Institutional care	2019 (USD)	Median absolute cost	NR	\$2,639	NR	\$3,885	NR	\$5,454
Mattap, 2022 [9]	Cuba, Dominican Republic, Peru, Venezuela, Mexico, China, India, Colombia	Community & Institutional care	2019 (USD)	Attributable cost	NR	\$349	NR	\$6,365	NR	\$11,500
Mattap, 2022 [9]	Cuba, Dominican Republic, Peru, Venezuela, Mexico, China, India, Colombia	Community & Institutional care	2019 (USD)	Median attributable cost	NR	\$287	NR	\$5,849	NR	\$13,324
Tay, 2024 [18]	Multiple countries throughout the US, Europe, Asia and South America	Community & Institutional care	2021 (USD)	PPPY	NR	\$18,344	NR	\$35,486	NR	\$46,354

Tay, 2024 [18]	Multiple countries throughout the US, Europe, Asia and South America	Community & Institutional care	2021 (USD)	PPPY	NR	\$20,212	NR	\$19,198	NR	\$29,732
Wübker, 2015 ^j	Europe	Community care	2010	Total costs	NR	€14,745	NR	€18,657	NR	€22,777
Wübker, 2015 ^j	Europe	Institutional care	2010	Total costs	NR	€35,570	NR	€36,299	NR	€35,695
Maresova, 2024 [22]	Europe	NR	NR	PPPY	NR	€ 23,002	NR	€ 30,263	NR	€ 48,320
Jonsson, 2022 [21]	British Isles	Community & Institutional care	2021	PPPY	NR	€ 19,909	NR	€ 34,223	NR	€ 61,958
Jonsson, 2022 [21]	Eastern Europe and Baltics	Community & Institutional care	2021	PPPY	NR	€ 7,616	NR	€ 9,670	NR	€ 11,236
Jonsson, 2022 [21]	Nordics	Community & Institutional care	2021	PPPY	NR	€ 20,876	NR	€ 37,540	NR	€ 58,198
Jonsson, 2022 [21]	Southern Europe	Community & Institutional care	2021	PPPY	NR	€ 20,420	NR	€ 40,953	NR	€ 61,906
Jonsson, 2022 [21]	Western Europe	Community & Institutional care	2021	PPPY	NR	€ 31,984	NR	€ 47,934	NR	€ 56,104
Jonsson, 2022 [21]	British Isles	Community care	2021	PPPY	NR	€ 30,098	NR	€ 37,008	NR	€ 51,567
Jonsson, 2022 [21]	Eastern Europe and Baltics	Community care	2021	PPPY	NR	€ 3,360	NR	€ 5,205	NR	€ 6,081
Jonsson, 2022 [21]	Nordics	Community care	2021	PPPY	NR	€ 24,928	NR	€ 28,444	NR	€ 32,732
Jonsson, 2022 [21]	Southern Europe	Community care	2021	PPPY	NR	€ 21,452	NR	€ 26,610	NR	€ 31,495

Jonsson, 2022 [21]	Western Europe	Community care	2021	PPPY	NR	€ 28,642	NR	€ 46,220	NR	€ 37,626
Jonsson, 2022 [21]	British Isles	Institutional care	2021	PPPY	NR	€ 59,764	NR	€ 48,183	NR	€ 47,655
Jonsson, 2022 [21]	Eastern Europe and Baltics	Institutional care	2021	PPPY	NR	€ 18,928	NR	€ 19,446	NR	€ 19,123
Jonsson, 2022 [21]	Nordics	Institutional care	2021	PPPY	NR	€ 75,098	NR	€ 61,687	NR	€ 61,805
Jonsson, 2022 [21]	Southern Europe	Institutional care	2021	PPPY	NR	€ 43,006	NR	€ 51,065	NR	€ 60,272
Jonsson, 2022 [21]	Western Europe	Institutional care	2021	PPPY	NR	€ 43,096	NR	€ 54,327	NR	€ 51,432
Wimo, 2013 [23]	France	Community care	2010	PPPM	NR	€ 1,418	NR	€ 1,737	€ 2,453	NR
	Germany					€ 1,312	NR	€ 2,412	€ 3,722	NR
	UK					€ 1,621	NR	€ 1,836	€ 2,784	NR
Dodel, 2015 [25]	France,	Community care	2010	PPPM	NR	€1,924	NR	€1,980	€1,777	NR
	Germany				NR	€2,263	NR	€3,111	€2,979	NR
	UK				NR	€1,911	NR	€1,850	€1,944	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PPPM (baseline)-no cognitive decline	NR	€1,112.2	NR	NR	NR	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PPPM (baseline)-no functional decline	NR	€992.4	NR	NR	NR	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PPPM (baseline)-cognitive decline	NR	€1,426.3	NR	NR	NR	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PPPM (baseline)-functional decline	NR	€1,381.9	NR	NR	NR	NR

Jones, 2017 [28]	France, Germany, UK	Community care	2010	PP cost over 18 months- cognitive decline	NR	€29761	NR	NR	NR	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PP cost over 18 months- functional decline	NR	€29,882.1	NR	NR	NR	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PP cost over 18 months- no cognitive decline	NR	€21783.2	NR	NR	NR	NR
Jones, 2017 [28]	France, Germany, UK	Community care	2010	PP cost over 18 months- no functional decline	NR	€17,006.6	NR	NR	NR	NR
Reed, 2016 [26]	France, Germany, UK	Community care	NR	PPPM	NR	€ 1,326	NR	€ 1,884	€ 2,909	NR
Maresova, 2018a [30]	Spain, France	Community care	NR	PPPM	NR	€ 2,668	NR	NR	NR	€ 5,270
Rapp, 2012 ^e	France	NR	NR	PPPY	NR	€ 2,377	NR	€ 3,379	NR	NR
Maresova, 2016 [19]	France	NR	NR	PPPY	NR	€21,876	NR	€51,456	NR	NR
Reed, 2017 [29]	France	Community care	2010	PP cost over 18 months	NR	€ 23,883	NR	€ 33,800	€ 41,905	NR
Rapp, 2018 [32]	France	Community care	2010	Baseline PPPM	NR	€1,330	NR	€1,869	€2,417	NR
Rapp, 2018 [32]	France	Community care	2010	PPPM after 18 months	NR	€1,464	NR	€2,036	€2,477	NR
Leicht, 2011 ^f	Germany	NR	NR	PPPY	NR	€ 24,437	NR	€ 41,125	NR	€ 49,784
Schwarzopf, 2011 ^e	Germany	NR	NR	PPPY	NR	€ 3,330	NR	€ 5,233	NR	NR

Maresova, 2016 [19]	Germany	NR	NR	PPPY	NR	€39,967	NR	€62,797	NR	NR
Reed, 2017 [29]	Germany	Community care	2010	PP cost over 18 months	NR	€ 26,017	NR	€ 42,430	€ 50,947	NR
Michalowsky, 2018 ^j	Germany	NR	2015 (Euros)	Total costs	NR	25160	NR	NR	29244	NR
Michalowsky, 2018 ^j	Germany	Community care	2015 (Euros)	Total care costs	NR	25160	NR	NR	29244	NR
Gustavsson, 2010 ^b	Spain	Community care	2007	PPPM	NR	£1,002	NR	£1,213	NR	£1,531
Gustavsson, 2010 ^b	Spain	Institutional care	2007	PPPM	NR	NR	NR	£3,942	NR	£3,855
Gustavsson, 2011 ^f	Spain	NR	NR	PPPY	NR	€ 12,024	NR	€ 14,556	NR	€ 18,372
Gustavsson, 2011 ^k	Spain	Community & Institutional care	2021 (USD)	PPPY	NR	\$19,7889	NR	\$101,990	NR	\$106,601
Darba, 2015 [36]	Spain	Community care	2013	PP cost over 6 months	€ 12,010	€ 15,738	NR	€ 34,591	NR	€ 52,477
Olazarán, 2017 [35]	Spain	Community care	2013	PPPM	NR	€ 1,514	NR	€ 2,082	€ 2,818	NR
Ruiz-Adame, 2019 ^j	Spain	NR	2012	Total costs	NR	€ 9,082.41	NR	€ 21,831.12	NR	€ 40,545
Gomez-Maldonado, 2024 [41]	Spain	Community & Institutional care	2021	PPPY, informal care estimated using price per hour of home employee	NR	€ 25,726	NR	€ 42,316	NR	€ 47,895
Gomez-Maldonado	Spain	Community &	2021	PPPY, informal care	NR	€ 42,014	NR	€ 72,677	NR	€ 77,597

o, 2024 [41]		Institutional care		estimated using price per hour of home help service						
Chiatti, 2015 [42]	Italy	Community care	NR	PPPY	NR	NR	NR	€ 20,128	NR	NR
Bruno, 2018 [43]	Italy	Community care	2013	PPPM	NR	€ 1,850	NR	€ 1,552	€ 2,728	NR
Lenox-Smith, 2016 [48]	UK	Community care	2010	PP cost over 18 months	NR	£25,865	NR	£30,905	£43,560	NR
Maresova, 2016 [19]	UK	NR	NR	PPPY	NR	€20,436	NR	€20,976	NR	NR
Reed, 2017 [29]	UK	Community care	2010	PP cost over 18 months	NR	€ 30,161	NR	€ 36,038	€ 50,795	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	PP cost over 3 months	NR	NR	£ 3,498	NR	NR	NR
Gustavsson, 2010 ^b	UK	Community care	2007	PPPM	NR	£834	NR	£1,193	NR	£1,452
Gustavsson, 2010 ^b	UK	Institutional care	2007	PPPM	NR	NR	NR	£2,455	NR	£2,236
Gustavsson, 2011 ^f	UK	NR	NR	PPPY	NR	€ 10,008	NR	€ 14,316	NR	€ 17,424
Gustavsson, 2011 ^k	UK	Community & Institutional care	2021 (USD)	PPPY	NR	\$18,346	NR	\$80,302	NR	\$81,182
Maresova, 2016 [19]	Czech Republic	NR	NR	PPPY	NR	€7,428	NR	€12,224	NR	NR
Holmerova, 2017 [53]	Czech Republic	Community & Institutional care	NR	PPPM	NR	€ 1,241	NR	€ 2,105	NR	€ 2,512
Jetsonen, 2021 [51]	Finland	Community care	2016	PPPY	€16,448	€29,053 to €45,314	NR	€56,252	NR	€72,600

Gustavsson, 2010 ^b	Sweden	Community care	2007	PPPM	NR	£1,040	NR	£1,307	NR	£1,752
Gustavsson, 2010 ^b	Sweden	Institutional care	2007	PPPM	NR	NR	NR	£3,716	NR	£3,678
Mesterton & Wimo, 2010 ^k	Sweden	Community & Institutional care	2021 (USD)	PPPY	NR	\$30,618	NR	\$74,218	NR	\$93,336
Gustavsson, 2011 ^f	Sweden	NR	NR	PPPY	NR	€ 12,480	NR	€ 15,684	NR	€ 21,024
Gustavsson, 2011 ^k	Sweden	Community & Institutional care	2021 (USD)	PPPY	NR	\$20,212	NR	\$97,661	NR	\$105,571
Zencir, 2005 ^h	Turkey	Community care	2019 (USD)	Absolute PPPY	NR	1953.8	NR	4250.57	NR	5454.27
Érsek, 2010 ^j	Hungary	Community & Institutional care	2008 (Euros)	Total care costs	NR	€ 4,263	NR	€ 7,483	NR	€ 10,617
Wang, 2008 ^k	China	Community care	2021 (USD)	Annual total PPPY	NR	\$2,925	NR	\$3,996	NR	\$6,272
Liu, 2013 ^h	China	Community care	2019 (USD)	Attributable PPPY	NR	\$464	NR	\$10,011	NR	\$13,615
Liu, 2013 ^h	India	Community care	2019 (USD)	Attributable PPPY	NR	\$128	NR	\$3,479	NR	\$5,357
Rao and Bharath, 2013 ^h	India	Community care	2019 (USD)	Absolute PPPY	NR	\$844	NR	\$2,236	NR	\$3,440
Jia, 2018; Yan, 2019 ^c	China	Community &	2015 (USD)	PPPM	NR	\$1,133	NR	\$1,399	\$ 2,167	NR

		Institutional care								
Yan, 2019 [63]	China	Community & Institutional care	2015 (USD)	PPPY	NR	\$13,597	NR	\$16,789	NR	\$26,001
Yu, 2021 [64]	China	Community & Institutional care	2017	PPPY	NR	Yuan 127,000	NR	Yuan 77,200	NR	Yuan 105,000
Nakanishi, 2020 [55]	Japan	Community care	2016	PPPM	NR	¥158,454	NR	¥211,301	¥294,224	NR
Nakanishi, 2021 [57]	Japan	Community care	2018 (USD)	PP over 18 months	NR	\$29,006	NR	\$35,622	\$49,725	NR
Takechi, 2023 [60]	Japan	Community care	2019	PPPM	¥6691	¥101619	NR	NR	NR	NR
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	PPPY	NR	\$5,524	NR	\$7,802	NR	\$9,860
Malapur, 2021 [67]	India	Community care	NR	PPPM	NR	NR	INR 6,524	NR	NR	INR 13,984
Aajami, 2019 [66]	Iran	NR	2018 (USD)	PPPY	-	\$434	NR	\$1,313	NR	\$2,480
Gustavsson, 2010 ^b	US	Community care	2007	PPPM	NR	£1,204	NR	£1,421	NR	£1,837
Gustavsson, 2010 ^b	US	Institutional care	2007	PPPM	NR	NR	NR	£5,041	NR	£5,114
Gustavsson, 2011 ^f	US	NR	NR	PPPY	NR	€ 14,448	NR	€ 17,052	NR	€ 22,044
Rattinger, 2015 ^f	US	NR	NR	PPPY	NR	€ 12,757	NR	€ 19,136	NR	€ 39,164

Gustavsson, 2011 ^k	US	Community & Institutional care	2021	PPPY	NR	\$25,869	NR	\$138,858	NR	\$171,284
Robinson, 2020 [75]	US	Community care	2017	PPPM	\$2,816	\$4,243	NR	NR	NR	NR
Robinson, 2020 [75]	US	Community care	2017	PPPM	\$2,035	\$2,653	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, baseline	\$2,430	\$4,063	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 6 months	\$1,977	\$3,032	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 12 months	\$1,787	\$3,073	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 18 months	\$2,201	\$2,989	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 24 months, +structural adaptations	\$2,786	NR	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 24 months, - structural adaptations	\$2,279	\$3,237	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 30 months	\$1,661	\$3,252	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 36 months	\$2,007	\$3,392	NR	NR	NR	NR
Michaud, 2017 [71]	US	NR	2015	PPPY	\$11,418	\$19,245	\$28,670	\$48,856	NR	\$69,493-\$101,715
Monfared, 2023 [79]	US	Community &	2021	PPPM	\$869	\$1,686	NR	\$1,896	NR	\$2,398

		Institutional care								
Herrmann, 2010 ^b	Canada	Community care	2000	PPPM	\$367	\$1,386	NR	NR	NR	\$4,063
Herrmann, 2006 ^d	Canada	NR	NR	PPPM	NR	NR	NR	NR	\$1,298	NR
Allegri, 2007 ^k	Argentina	Community & Institutional care	2021 (USD)	PPPY	NR	\$8,083	NR	\$10,154	NR	\$17,209
Liu, 2013 ^h	Cuba	Community care	2019 (USD)	Attributable PPPY	NR	\$557	NR	\$11,012	NR	\$14,007
Liu, 2013 ^h	Dominican Republic	Community care	2019 (USD)	Attributable PPPY	NR	\$146	NR	\$4,237	NR	\$7,284
Liu, 2013 ^h	Mexico	Community care	2019 (USD)	Attributable PPPY	NR	\$287	NR	\$5,849	NR	\$15,704
Liu, 2013 ^h	Peru	Community care	2019 (USD)	Attributable PPPY	NR	\$858	NR	\$9,970	NR	\$13,033
Liu, 2013 ^h	Venezuela	Community care	2019 (USD)	Attributable PPPY	NR	0.03	NR	0.81	NR	NA
Ferretti, 2018 ^h	Brazil	NR	2019 (USD)	Absolute PPPY	NR	\$12,095	NR	\$20,370	NR	\$16,468

^b Data from Colucci, 2014 [5]

^c Data from Monfared, 2022 [15]

^d Data from Gaskin, 2017 [68]

^e Data from Maresova, 2018 [10]

^f data from Maresova, 2019 [12]

^h data from Mattap, 2022 [9]

^j Data from Cantarero-Prieto, 2019 [11]

^k Data from Tay, 2024 [18]

Abbreviations: CDR=Clinical Dementia Rating; MCI=mild cognitive impairment; NR=not reported; PP: per person; PPPM=per patient per month; PPPY=per patient per year; UK=United Kingdom

Table S4. Mean direct component costs incurred by patients with AD and dementia, stratified by disease severity

Author, Year	Country	Care Setting	Cost Year	Cost Component	Units	MCI/ Very mild	Mild	Mild-to-moderate	Moderate	Moderate-to-severe	Severe-to-very severe
Kliess, 2021 [14]	Global	Community & Institutional care	NR	Healthcare	% cost	NR	14.5%	NR	14%	NR	10.9%
Kliess, 2021 [14]	Global	Community care	NR	Healthcare	% cost	50.90%	26.0%	NR	15.7%	NR	10.4%
Kliess, 2021 [14]	Global	Institutional care	NR	Healthcare	% cost	NR	NR	NR	8.2%	NR	8.5%
Kliess, 2021 [14]	Global	Community & Institutional care	NR	Social care	% cost	NR	72.2%	NR	61.3%	NR	69.1%
Kliess, 2021 [14]	Global	Community care	NR	Social care	% cost	9%	13.3%	NR	17.3%	NR	17.1%
Kliess, 2021 [14]	Global	Institutional care	NR	Social care	% cost	NR	NR	NR	85.4%	NR	86.2%
Klimova 2016 [8]	Europe	NR	NR	Pharmacological treatment	PPPM	NR	€1,454 to 3,331	NR	€3,373 to 4,288	NR	€3,373 to 5,233
Gustavsson, 2011 ^a	Spain	Community care	2007	AD medication	PPPM	NR	€ 89	NR	€ 110	NR	€ 122
Gustavsson, 2011 ^a	Spain	Institutional care	2007	AD medication	PPPM	NR	NR	NR	€ 47	NR	€ 62
Gustavsson, 2011 ^a	Spain	Community care	2007	Hospitalizations (imputed)	PPPM	NR	€ 114	NR	€ 114	NR	€ 114
Gustavsson, 2011 ^a	Spain	Institutional care	2007	Hospitalizations (imputed)	PPPM	NR	NR	NR	€ 114	NR	€ 114
Gustavsson, 2011 ^a	Spain	Community care	2007	Emergency care visits	PPPM	NR	€ 29	NR	€ 32	NR	€ 38
Gustavsson, 2011 ^a	Spain	Institutional care	2007	Emergency care visits	PPPM	NR	NR	NR	€ 38	NR	€ 38
Gustavsson, 2011 ^a	Spain	Community care	2007	Outpatient care	PPPM	NR	€ 75	NR	€ 110	NR	€ 100

Gustavsson, 2011 ^a	Spain	Institutional care	2007	Outpatient care	PPPM	NR	NR	NR	€ 213	NR	€ 96
Gustavsson, 2011 ^a	Spain	Community care	2007	Accommodation (including respite care)	PPPM	NR	€ 0	NR	€ 5	NR	€ 2
Gustavsson, 2011 ^a	Spain	Institutional care	2007	Accommodation (including respite care)	PPPM	NR	NR	NR	€ 3,296	NR	€ 3,278
Gustavsson, 2011 ^a	Spain	Community care	2007	Community care services	PPPM	NR	€ 199	NR	€ 167	NR	€ 294
Gustavsson, 2011 ^a	Spain	Institutional care	2007	Community care services	PPPM	NR	NR	NR	€ 1	NR	€ 0
Olazaran, 2017 [35]	Spain	Community care	2013	Medications, patient	PPPM	NR	€ 85	NR	€ 101	€ 122	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Hospital stay, patient	PPPM	NR	€ 55	NR	€ 18	€ 109	NR
Olazaran, 2017 [35]	Spain	Community care	2013	ER visits, patient	PPPM	NR	€ 13	NR	€ 14	€ 21	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Outpatient visits, patient	PPPM	NR	€ 114	NR	€ 99	€ 91	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Neuropsychological assessments, patient	PPPM	NR	€ 5	NR	€ 5	€ 3	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Medications, caregiver	PPPM	NR	€ 14	NR	€ 12	€ 16	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Hospital stay, caregiver	PPPM	NR	€ 3	NR	€ 86	€ 0	NR
Olazaran, 2017 [35]	Spain	Community care	2013	ER visits, caregiver	PPPM	NR	€ 16	NR	€ 16	€ 11	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Outpatient visits, caregiver	PPPM	NR	€ 36	NR	€ 37	€ 45	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Accommodation, patient	PPPM	NR	€ 23	NR	€ 34	€ 45	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Community care services, patient	PPPM	NR	€ 120	NR	€ 493	€ 677	NR

Olazaran, 2017 [35]	Spain	Community care	2013	Structural home changes, patient	PPPM	NR	€ 16	NR	€ 35	€ 80	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Consumables, patient	PPPM	NR	€ 23	NR	€ 35	€ 59	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Financial support received, patient	PPPM	NR	€ 43	NR	€ 72	€ 200	NR
Turro-Garriga, 2020 [38]	Spain	Community care	2014	Domiciliary care	PPPM	NR	NR	€ 323	NR	NR	NR
Turro-Garriga, 2020 [38]	Spain	Community care	2014	Day care center	PPPM	NR	NR	€ 404	NR	NR	NR
Turro-Garriga, 2020 [38]	Spain	Community care	2014	Other ^b	PPPM	NR	NR	€ 164	NR	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost, AD drugs	PPPY	NR	NR	NR	€ 892	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost, Other drugs	PPPY	NR	NR	NR	€ 510	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost, Exams/visits	PPPY	NR	NR	NR	€ 40	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost, health & social interventions	PPPY	NR	NR	NR	€ 60	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost, ED	PPPY	NR	NR	NR	€ 62	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost PPPY, hospitalizations	PPPY	NR	NR	NR	€ 646	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Public cost, state care allowance	PPPY	NR	NR	NR	€ 2,324	NR	NR

Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Patient costs, AD drugs	PPPY	NR	NR	NR	€ 24	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Patient costs, other drugs	PPPY	NR	NR	NR	€ 48	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Patient costs, exams/visits	PPPY	NR	NR	NR	€ 2	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Patient costs, health & social interventions	PPPY	NR	NR	NR	€ 14	NR	NR
Chiatti, 2015 [42]	Italy	Community or Institutional care	NR	Patient costs, private assistance	PPPY	NR	NR	NR	€ 2,888	NR	NR
Gustavsson, 2011 ^a	UK	Community care	2007	AD medication	PPPM	NR	£66	NR	£75	NR	£67
Gustavsson, 2011 ^a	UK	Institutional care	2007	AD medication	PPPM	NR	NR	NR	£64	NR	£54
Gustavsson, 2011 ^a	UK	Community care	2007	Hospitalizations (imputed)	PPPM	NR	£8	NR	£8	NR	£8
Gustavsson, 2011 ^a	UK	Institutional care	2007	Hospitalizations (imputed)	PPPM	NR	NR	NR	£8	NR	£8
Gustavsson, 2011 ^a	UK	Community care	2007	Emergency care visits	PPPM	NR	£3	NR	£6	NR	£4
Gustavsson, 2011 ^a	UK	Institutional care	2007	Emergency care visits	PPPM	NR	NR	NR	£0	NR	£13
Gustavsson, 2011 ^a	UK	Community care	2007	Outpatient care	PPPM	NR	£86	NR	£79	NR	£55
Gustavsson, 2011 ^a	UK	Institutional care	2007	Outpatient care	PPPM	NR	NR	NR	£77	NR	£88
Gustavsson, 2011 ^a	UK	Community care	2007	Accommodation (including respite care)	PPPM	NR	£0	NR	£15	NR	£76

Gustavsson, 2011 ^a	UK	Institutional care	2007	Accommodation (including respite care)	PPPM	NR	NR	NR	£2,041	NR	£1,996
Gustavsson, 2011 ^a	UK	Community care	2007	Community care services	PPPM	NR	£139	NR	£328	NR	£399
Gustavsson, 2011 ^a	UK	Institutional care	2007	Community care services	PPPM	NR	NR	NR	£21	NR	£0
Knapp, 2016 [47]	UK	Community care	2010	Care home	Mean cost estimate over 6 months	NR	€ 9,424	NR	€ 9,782	NR	€ 10,172
Knapp, 2016 [47]	UK	Community care	2010	Hospitalization	Mean cost estimate over 6 months	NR	€ 5,355	NR	€ 5,754	NR	€ 6,313
Knapp, 2016 [47]	UK	Community care	2010	Mental health inpatient care	Mean cost estimate over 6 months	NR	€ 24,249	NR	€ 29,441	NR	€ 32,875
Knapp, 2016 [47]	UK	Community care	2010	Any Institutional care	Mean cost estimate over 6 months	NR	€ 9,231	NR	€ 11,947	NR	€ 13,544
Henderson, 2019 [49]	UK	Community care	2014/2015	Primary & community healthcare costs	PP 3-month costs	NR	NR	£142	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Community mental health costs	PP 3-month costs	NR	NR	£67	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Community social care	PP 3-month costs	NR	NR	£175			

Henderson, 2019 [49]	UK	Community care	2014/2015	Day care services	PP 3-month costs	NR	NR	£143	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Hospital costs	PP 3-month costs	NR	NR	£404	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Dementia medication costs	PP 3-month costs	NR	NR	£62	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Equipment paid by NHS	PP 3-month costs	NR	NR	£6	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Equipment paid for by social services	PP 3-month costs	NR	NR	£10	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Equipment purchased by self or family	PP 3-month costs	NR	NR	£41	NR	NR	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	Travel costs, condition related, for patient & carer	PP 3-month costs	NR	NR	£10	NR	NR	NR
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Hospital admission, patient	PPPM	NR	€ 8	NR	€ 24		€ 43
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Medical visits, patient	PPPM	NR	€ 33	NR	€ 32	NR	€ 28
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Medical visits, caregiver	PPPM	NR	€ 19	NR	€ 21	NR	€ 28
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Medications, patient	PPPM	NR	€ 112	NR	€ 112	NR	€ 166

Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Medications, caregiver	PPPM	NR	€ 23	NR	€ 27	NR	€ 32
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Home care and assistance	PPPM	NR	€ 20	NR	€ 64	NR	€ 112
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Home help	PPPM	NR	€ 16	NR	€ 50	NR	€ 50
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Food delivery	PPPM	NR	€ 58	NR	€ 65	NR	€ 64
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Day care center	PPPM	NR	too small group for analysis	NR	€ 10	NR	too small group for analysis
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Transportation	PPPM	NR	€ 9	NR	€ 12	NR	€ 6
Gustavsson, 2011 ^a	Sweden	Community care	2007	AD medication	PPPM	NR	€ 59	NR	€ 62	NR	€ 74
Gustavsson, 2011 ^a	Sweden	Institutional care	2007	AD medication	PPPM	NR	NR	NR	€ 34	NR	€ 32
Gustavsson, 2011 ^a	Sweden	Community care	2007	Hospitalizations (imputed)	PPPM	NR	€ 91	NR	€ 91	NR	€ 91
Gustavsson, 2011 ^a	Sweden	Institutional care	2007	Hospitalizations (imputed)	PPPM	NR	NR	NR	€ 91	NR	€ 91
Gustavsson, 2011 ^a	Sweden	Community care	2007	Emergency care visits	PPPM	NR	€ 7	NR	€ 17	NR	€ 0
Gustavsson, 2011 ^a	Sweden	Institutional care	2007	Emergency care visits	PPPM	NR	NR	NR	€ 4	NR	€ 9
Gustavsson, 2011 ^a	Sweden	Community care	2007	Outpatient care	PPPM	NR	€ 100	NR	€ 86	NR	€ 74
Gustavsson, 2011 ^a	Sweden	Institutional care	2007	Outpatient care	PPPM	NR	NR	NR	€ 74	NR	€ 169

Gustavsson, 2011 ^a	Sweden	Community care	2007	Accommodation (including respite care)	PPPM	NR	€ 71	NR	€ 66	NR	€ 262
Gustavsson, 2011 ^a	Sweden	Institutional care	2007	Accommodation (including respite care)	PPPM	NR	NR	NR	€ 3,198	NR	€ 3,274
Gustavsson, 2011 ^a	Sweden	Community care	2007	Community care services	PPPM	NR	€ 400	NR	€ 420	NR	€ 566
Gustavsson, 2011 ^a	Sweden	Institutional care	2007	Community care services	PPPM	NR	NR	NR	€ 228	NR	€ 22
Onetiu, 2016 ^c	Romania	NR	2020 (PPPD)	Medical	PPPY	NR	\$3,869	NR	\$2,126	NR	\$5,658
Onetiu, 2016 ^c	Romania	NR	2020 (PPPD)	Social care	PPPY	NR	\$4,749	NR	\$6,387	NR	\$12,132
Zencir, 2005 ^c	Turkey	Community care	2020 (PPPD)	Medical	PPPY	NR	\$5,281	NR	\$7,739	NR	\$7,794
Wang, 2008 ^c	China	NR	2020 (PPPD)	Medical	PPPY	NR	\$1,563	NR	\$1,615	NR	\$1,814
Wang, 2010 ^c	China	NR	2020 (PPPD)	Medical	PPPY	NR	NA	NR	NA	NR	NA
Wang, 2008 ^c	China	NR	2020 (PPPD)	Social care	PPPY	NR	\$829	NR	\$782	NR	\$894
Wang, 2010 ^c	China	NR	2020 (PPPD)	Social care	PPPY	NR	NA	NR	NA	NR	NA
XiaoJuan, 2019 ^c	China	NR	2020 (PPPD)	Medical	PPPY	NR	\$4,063	NR	\$4,618	NR	\$4,227
XiaoJuan, 2019 ^c	China	NR	2020 (PPPD)	Social care	PPPY	NR	\$2,273	NR	\$3,570	NR	\$7,305
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Outpatient visits	PPPY	NR	\$264	NR	\$272	NR	\$286
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Inpatient visits	PPPY	NR	\$0	NR	\$369	NR	\$153
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Emergency visit	PPPY	NR	\$0	NR	\$14	NR	\$40

Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Medications	PPPY	NR	\$2,224	NR	\$2,444	NR	\$2,508
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	AD medications	PPPY	NR	\$1,281	NR	\$1,577	NR	\$1,572
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Non-AD medications	PPPY	NR	\$943	NR	\$867	NR	\$936
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Out of pocket costs	PPPY	NR	\$509	NR	\$951	NR	\$1,003
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Transportation	PPPY	NR	\$82	NR	\$89	NR	\$79
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	Paid domestic help	PPPY	NR	\$402	NR	\$964	NR	\$1,497
Takechi, 2019 [54]	Japan	Community care	2017	Home helper	PPPM	NR	\$2,498	NR	\$10,323	NR	\$5,365
Takechi, 2019 [54]	Japan	Community care	2017	Day services	PPPM	NR	¥21,093	NR	¥49,567	NR	¥103,891
Takechi, 2019 [54]	Japan	Community care	2017	Visiting nurse	PPPM	NR	¥700	NR	¥532	NR	¥1,096
Takechi, 2019 [54]	Japan	Community care	2017	Rehabilitation	PPPM	NR	¥0.0	NR	¥235	NR	¥0.0
Takechi, 2019 [54]	Japan	Community care	2017	Short stay	PPPM	NR	¥833	NR	¥1,943	NR	¥14,904
Takechi, 2019 [54]	Japan	Community care	2017	Group home	PPPM	NR	¥4,445	NR	¥4,885	NR	¥4,950
Takechi, 2019 [54]	Japan	Community care	2017	Institutional care	PPPM	NR	¥0.0	NR	¥0.0	NR	¥5,1150
Takechi, 2019 [54]	Japan	Community care	2017	Long term welfare facility	PPPM	NR	¥0.0	NR	¥0.0	NR	¥14,475
Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	Outpatient visits	PPPM	¥7,185	¥5,530	NR	NR	NR	NR

Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	Anti-dementia treatment	PPPM	¥2,314	¥10,416	NR	NR	NR	NR
Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	Antipsychotic medication	PPPM	¥676	¥459	NR	NR	NR	NR
Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	Treatment of comorbidities	PPPM	¥3,845	¥2,727	NR	NR	NR	NR
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Medicine	PPPY	NR	\$62	NR	\$85	NR	\$110
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Lab tests	PPPY	NR	\$6	NR	\$0	NR	\$0
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Diagnostics	PPPY	NR	\$43	NR	\$0	NR	\$20
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Consultations and visits	PPPY	NR	\$60	NR	\$58	NR	\$58
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Rehabilitation interventions	PPPY	NR	\$0	NR	\$76	NR	\$514
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Transportation	PPPY	NR	\$98	NR	\$93	NR	\$47
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Meals	PPPY	NR	\$15	NR	\$26	NR	\$15
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Accommodation	PPPY	NR	\$10	NR	\$0	NR	\$0
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Nursing home and home care	PPPY	NR	\$140	NR	\$507	NR	\$890
Aajami, 2019 [66]	Iran	NR	2017 (USD)	Equipment (i.e., pads)	PPPY	NR	\$0	NR	\$15	NR	\$305
Malapur, 2021 [67]	India	NR	2020 (PPPD)	Social care	PPPY	NR	NA	NR	\$32.40	NR	\$358
Szabo, 2019 [69]	Canada	Community care	2017	Medications	PPPY	NR	€ 179	NR	€ 207	NR	€ 213
Szabo, 2019 [69]	Canada	Community care	2017	Hospitalizations	PPPY	NR	€ 78	NR	€ 638	NR	€ 653
Szabo, 2019 [69]	Canada	Community care	2017	Physician visits	PPPY	NR	€ 251	NR	€ 926	NR	€ 728

Gustavsson, 2011 ^a	US	Community care	2007	AD medication	PPPM	NR	\$118	NR	\$135	NR	\$158
Gustavsson, 2011 ^a	US	Institutional care	2007	AD medication	PPPM	NR	NR	NR	\$100	NR	\$111
Gustavsson, 2011 ^a	US	Community care	2007	Hospitalizations (imputed)	PPPM	NR	\$171	NR	\$171	NR	\$171
Gustavsson, 2011 ^a	US	Institutional care	2007	Hospitalizations (imputed)	PPPM	NR	NR	NR	\$171	NR	\$171
Gustavsson, 2011 ^a	US	Community care	2007	Emergency care visits	PPPM	NR	\$7	NR	\$6	NR	\$5
Gustavsson, 2011 ^a	US	Institutional care	2007	Emergency care visits	PPPM	NR	NR	NR	\$31	NR	\$19
Gustavsson, 2011 ^a	US	Community care	2007	Outpatient care	PPPM	NR	\$126	NR	\$120	NR	\$107
Gustavsson, 2011 ^a	US	Institutional care	2007	Outpatient care	PPPM	NR	NR	NR	\$182	NR	\$197
Gustavsson, 2011 ^a	US	Community care	2007	Accommodation (including respite care)	PPPM	NR	\$4	NR	\$12	NR	\$0
Gustavsson, 2011 ^a	US	Institutional care	2007	Accommodation (including respite care)	PPPM	NR	NR	NR	\$4,113	NR	\$4,237
Gustavsson, 2011 ^a	US	Community care	2007	Community care services	PPPM	NR	\$148	NR	\$152	NR	\$228
Gustavsson, 2011 ^a	US	Institutional care	2007	Community care services	PPPM	NR	NR	NR	\$4	NR	\$0
Zhu, 2013 [70]	US	NR	2009	Hospitalization	PPPY	\$3,76	NR	NR	NR	NR	NR
Zhu, 2013 [70]	US	NR	2009	Prescription medications	PPPY	\$1,53	NR	NR	NR	NR	NR
Zhu, 2013 [70]	US	NR	2009	Assistive device	PPPY	\$43	NR	NR	NR	NR	NR
Zhu, 2013 [70]	US	NR	2009	Outpatient treatment and procedures	PPPY	\$2	NR	NR	NR	NR	NR
Zhu, 2013 [70]	US	NR	2009	Doctor visit	PPPY	\$531	NR	NR	NR	NR	NR
Michaud, 2017 [71]	US	NR	2015	Medication	PPPY	\$3,891	\$4,135	\$4,381	\$4,152	NR	\$4,527-3,475

Michaud, 2017 [71]	US	NR	2015	Institutional care	PPPY	\$3,135	\$0	\$5,341	\$13,340	NR	\$26,499-35,367
Michaud, 2017 [71]	US	NR	2015	Home health care	PPPY	\$23	\$24	\$445	\$1,525	NR	2431-3,079
Michaud, 2017 [71]	US	NR	2015	Hospitalization	PPPY	\$0	\$1,397	\$3,102	\$2,067	NR	5211-9,275
Michaud, 2017 [71]	US	NR	2015	Physician visit	PPPY	\$636	\$761	\$813	\$782	NR	\$687-800
Long, 2020 [76]	US	Community care	2010	Medical cost	cost/day	\$21	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care & 1-24 % NH use	2010	Medical cost	cost/day	\$132	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care % 25-99% NH use	2010	Medical cost	cost/day	\$101	NR	NR	NR	NR	NR
Long, 2020 [76]	US	100% NH use	2010	Medical cost	cost/day	\$20	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care	2010	Nursing home cost	cost/day	NR	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care & 1-24 % NH use	2010	Nursing home cost	cost/day	\$37	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care % 25-99% NH use	2010	Nursing home cost	cost/day	\$120	NR	NR	NR	NR	NR
Long, 2020 [76]	US	100% NH use	2010	Nursing home cost	cost/day	\$219	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care	2010	Medical + Nursing home	cost/day	\$21	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care & 1-24 % NH use	2010	Medical + Nursing home	cost/day	\$169	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care % 25-99% NH use	2010	Medical + Nursing home	cost/day	\$358	NR	NR	NR	NR	NR
Long, 2020 [76]	US	100% NH use	2010	Medical + Nursing home	cost/day	\$239	NR	NR	NR	NR	NR
Allegri, 2007 ^c	Argentina	NR	2020 (PPPD)	Medical	PPPY	NR	\$8,147	NR	\$7,993	NR	\$10,114

Allegri, 2007 ^c	Argentina	NR	2020 (PPPD)	Social care	PPPY	NR	\$665	NR	\$3,814	NR	\$14,765
Ferretti, 2018 ^c	Brazil	NR	2020 (PPPD)	Medical	PPPY	NR	\$1,799	NR	\$1,828	NR	\$2,210
Ferretti, 2018 ^c	Brazil	NR	2020 (PPPD)	Social care	PPPY	NR	\$392	NR	\$174	NR	\$0
Prada, 2017 ^c	Colombia	NR	2020 (PPPD)	Medical	PPPY	NR	\$2,062	NR	\$3,336	NR	\$10,049
Prada, 2017 ^c	Colombia	NR	2020 (PPPD)	Social care	PPPY	NR	NA	NR	NA	NR	NA

a Data obtained from Maresova, 2020 [13]

b 'other' includes cognitive stimulation therapy, and assistive technology (i.e., telecare)

c Data obtained from Kenne-Malaha, 2023 [17]

Abbreviations: ED=emergency department visits; ER=emergency department visits; MCI=mild cognitive impairment; NH=nursing home; NR=not reported; PP=per person; PPPD=purchasing power parity; PPPM=per person per month; PPPY=per person per year; SLR=Systematic literature review; UK=United Kingdom; US=United States

Table S5. Mean total direct costs incurred by patients with AD and dementia, stratified by disease severity

Author, Year	Country	Care Setting	Cost Year	Units	MCI/Very Mild	Mild	Mild-to-moderate	Moderate	Moderate -to-severe	Severe-to-very severe
Total Direct costs										
Cantarero-Prieto, 2019 [11]	Europe	Community & Institutional care	2015	Total cost	NR	€ 16,969	NR	€ 24,024	NR	€ 28,717
Reed, 2016 [26]	France, Germany UK	Community care	2010	PPPM	NR	€ 568	NR	€ 777	€ 1,077	NR
Lopez-Bastida, 2006i	Spain	Community care	2013	PPPY	NR	€ 5,241	NR	€ 7,551	NR	€ 10,207
Olazaran, 2017 ^a	Spain	NR	NR	PPPM	NR	€ 464	NR	€ 844	€ 1,238	NR
Gustavsson, 2011 ^g	Spain	Community & Institutional care	2021 (USD)	PPPY	NR	\$10,013	NR	\$84,042	NR	\$84,260
Darba, 2015d	Spain	NR	NR	PPPM	NR	€ 183	NR	€ 183	€ 333	NR
Ruiz-Adame, 2019 [37]	Spain	NR	2012	PPPY costs	NR	€ 5,652	NR	€ 9,211	NR	€ 11,686
Inoriza, 2023 [40]	Spain	NR	2017	Total cumulative cost at diagnosis	NR	€ 27,609	NR	€ 23,259	NR	€ 24,266
Chiatti, 2015 [42]	Italy	Community care	NR	PPPY, public cost	NR	NR	NR	€ 4,534	NR	NR
Chiatti, 2015 [42]	Italy	Community care	NR	PPPY, patient cost, minus cash-for-care allowance	NR	NR	NR	€ 2,002	NR	NR
Rigaud, 2003 ^c	France	Community care	2013	PPPY	NR	€ 5,126	NR	€ 9,040	NR	€ 20,914
Rapp, 2018 ^a	France	NR	NR	PPPM	NR	€ 644	NR	€ 903	€ 1,193	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY 1-year prior memory consultation	€ 7,899	€ 8,022	NR	€ 6,081	€ 7,740	NR

Dauphinot, 2022 [34]	France	Community care	2019	PPPY 1 year after memory consultation	€ 9,758	€ 10,558	NR	€ 10,544	€ 10,345	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY 2 years after memory consultation	€ 8,452	€ 13,717	NR	€ 9,783	€ 11,728	NR
Leicht, 2011 ^c	Germany	Community & Institutional care	2013	PPPY	NR	€ 16,466	NR	€ 24,449	NR	€ 31,662
Schwarzkopf, 2011 ^c	Germany	Community care	2013	PPPY	NR	€ 9,838	NR	€ 11,232	NR	NR
Gustavsson, 2011 ^g	UK	Community & Institutional care	2021 (USD)	PPPY	NR	\$6,651	NR	\$59,951	NR	\$60,964
Lenox-Smith, 2016 ^a	UK	NR	NR	PPPM	NR	£559	NR	£805	£1032	NR
Henderson, 2019 [49]	UK	Community care	2014/2015	PP 3-month costs	NR	NR	£852	NR	NR	NR
Holmerova, 2017 [53]	Czech Republic	Community & Institutional care	NR	PPPM	NR	€ 192	NR	€ 208	NR	€ 273
Jetsonen, 2021 [51]	Finland	Community care	2016	PPPY	€ 8,498	CDR-SB 4.5-6.5: 13,300, CDR-SB 7-9: 19,870	NR	€ 20,559	NR	€ 26,887
Kraft, 2010 ^c	Switzerland	Community care	2013	PPPY	NR	€ 1,525	NR	€ 7,520	NR	€ 7,441
Jonsson, 2006 ^c	Scandinavia	Community & Institutional care	2013	PPPY	NR	€ 6,336	NR	€ 15,936	NR	€ 32,026
Wimo & Winblad, 2003 ^c	Sweden	Community & Institutional care	2013	PPPY	NR	€ 12,133	NR	€ 20,787	NR	€ 28,300

Mesterton & Wimo, 2010 ^g	Sweden	Community & Institutional care	2021 (USD)	PPPY	NR	\$26,560	NR	\$66,544	NR	\$87,823
Gustavsson, 2011 ^g	Sweden	Community & Institutional care	2021 (USD)	PPPY	NR	\$14,149	NR	\$84,950	NR	\$90,645
Zencir, 2005 ^c	Turkey	Community care	2013	PPPY	NR	€ 2,197	NR	€ 3,286	NR	€ 3,310
Wang, 2008 ^g	China	Community care	2021 (USD)	PPPY	NR	\$1,863	NR	\$1,866	NR	\$2,109
Kang, 2007 ^c	Korea	Community & Institutional care	2013 (USD)	PPPY	NR	\$4,370	NR	\$6,982	NR	\$14,361
Nakanishi, 2020 ^d	Japan	NR	NR	PPPM	NR	JPY 70,347	NR	JPY 70,347	JPY 94,812	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 1-year cohort	\$15,235	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 2-year cohort	\$15,464	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 3-year cohort	\$14,985	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 2nd year of onset, 2-year cohort	\$13,741	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 2nd year of onset, 3-year cohort	\$13,042	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 3rd year of onset, 3-year cohort	\$12,483	NR	NR	NR	NR	NR
Kongpakwattana, 2019 ^g	Thailand	Community & Institutional care	2021 (USD)	PPPY	NR	\$3,849	NR	\$5,643	NR	\$6,156
Aajami, 2019 ^g	Iran	NR	2021 (USD)	PPPY	NR	\$468	NR	\$927	NR	\$2,114
Malapur, 2021 [67]	India	Community care	NR	PPPM	NR	NR	INR 2,113	NR	NR	INR 12,020

Herrmann, 2006 ^f	Canada	NR	NR	PPPM	NR	NR	NR	NR	€ 237	NR
Herrmann, 2006 ^f	Canada	Community care	2013	PPPY	NR	\$1,143	NR	\$2,813	NR	NR
Long, 2020 [76]	US	Community care	2010	PPPY	\$6,582	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care & 1-24 % NH use	2010	PPPY	\$57,881	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community care % 25-99% NH use	2010	PPPY	\$80,219	NR	NR	NR	NR	NR
Long, 2020 [76]	US	100% NH use	2010	PPPY	\$87,597	NR	NR	NR	NR	NR
Gustavsson, 2011 ^g	US	Community & Institutional care	2021 (USD)	PPPY	NR	\$12,333	NR	\$111,657	NR	\$138,024
Ton, 2017 ^a	US	NR	NR	PPPM	NR	\$2,694	NR	\$1,672	NR	\$4,722
Allegri, 2007 ^g	Argentina	Community & Institutional care	2021 (USD)	PPPY	NR	\$5,236	NR	\$7,016	NR	\$14,784
Direct Medical costs										
Lacey, 2013 [3]	Global	Community care	2010 (USD)	PP 6 months	NR	NR	0-26 wks: \$2,324 27-52 wks: \$2,759 53-78 wks: \$5,255	NR	NR	NR
Wübker, 2015e	Europe	Community care	2010	Direct health care costs	NR	€ 2,895	NR	€ 3,622	NR	€ 4,411
Wübker, 2015e	Europe	Institutional care	2010	Direct health care costs	NR	€ 35,550	NR	€ 36,305	NR	€ 35,647
Cimler, 2019 [20]	Europe	NR	NR	PP cost (units unclear; likely year)	NR	€ 280	NR	€ 234	NR	€ 324

Maresova, 2018a [30]	France, Spain	Community care	NR	PPPM	NR	€ 280	NR	NR	€ 278	NR
Darba, 2015 [36]	Spain	Community care	2013	PP cost over 6 months	€ 770.60	€ 906	NR	€ 903	NR	€ 1,349
Olazaran, 2017 [35]	Spain	Community care	2013	PPPM	NR	patient: €272 caregiver: €68	NR	patient: €236 caregiver: €151	patient: €346 caregiver: €72	NR
Ruiz-Adame, 2019e	Spain	NR	2012	Direct health care costs	NR	€ 5,652	NR	€ 9,211	NR	€ 11,686
Ruiz-Adame, 2019 ^e	Spain	NR	2012	Formal health care costs	NR	€ 5,652	NR	€ 9,211	NR	€ 11,686
Gomez-Maldonado, 2024 [41]	Spain	Community & Institutional care	2021	PPPY	NR	€ 3,254	NR	€ 2,836	NR	€ 4,623
Schwarzkopf, 2011 ^e	Germany	Community care	2008	Direct health care costs	NR	€ 18,432	NR	€ 18,928	NR	NR
Schwarzkopf, 2011 ^e	Germany	Community care	2008	Formal health care costs	NR	€ 9,183	NR	€ 10,496	NR	NR
Wimo, 2013 [23]	Germany	Community care	2010 (Euro)	PPPM	NR	patient: 441 caregiver: 116	NR	patient: 59 caregiver: 221	patient: 726 caregiver: 104	NR
Michalowsky, 2018 ^e	Germany	Community care	2015	Direct health care costs	NR	€ 5,485	NR	NR	€ 4,487	NR
Michalowsky, 2018 ^e	Germany	Community care	2015	Formal health care costs	NR	€ 6,937	NR	NR	€ 7,031	NR
Wimo, 2013 [23]	France	Community care	2010 (Euro)	PPPM	NR	patient: 303 caregiver: 88	NR	patient: 41 caregiver: 67	patient: 496 caregiver: 151	NR
Gerves, 2014 [31]	France	Community care	2009	PPPM	NR	€ 410	NR	NR	€ 622	NR
Rapp, 2018 [32]	France	Community care	2010	PP costs over 18 months	NR	€ 5,129	NR	€ 7,106	€ 8,118	NR
Dauphinet, 2021 [33]	France	Community care	2017	PPPY after 1st memory consultation	NR	NR	€ 8,400	€ 11,918	€ 7,913	NR

Dauphinot, 2022 [34]	France	Community care	2019	PPPY 1 year prior before memory consultation	€ 7,596	€ 7,889	NR	€ 5,977	€ 7,563	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY 1 year after memory consultation	€ 9,361	€ 10,244	NR	€ 10,256	€ 10,161	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY 2 years after memory consultation	€ 8,130	€ 13,462	NR	€ 9,589	€ 11,525	NR
Chiatti, 2015 ^b	Italy	Community care		PPPM	NR	€ 280	NR	NR	€ 278	NR
Bruno, 2018 [43]	Italy	Community care	2013	PPPM	NR	€ 210	NR	€ 130	€ 106	NR
Wimo, 2013 [23]	UK	Community care	2010	PPPM	NR	patient: €168 caregiver: €152	NR	patient: €213 caregiver: €61	patient: €219 caregiver: €76	NR
Jones, 2015 [46]	UK	Community & Institutional care	2009/2010	PP over 3 months	NR	NR	NR	DS 0-6: £1,050 DS7-8: £946 DS 9-10: £903	NR	DS 11-15: £1,459
Lenox-Smith, 2016 [48]	UK	Community care	2010	PP 18-month costs	NR	£2,890	NR	£3,130	£3,055	NR
Érsek, 2010 ^e	Hungary	Community & Institutional care	2008	Direct health care costs	NR	€ 1,728	NR	€ 1,671	NR	€ 3,706
Holmerova, 2017 ^e	Czech Republic	Community & Institutional care	2014	Formal health care costs per month	NR	€ 192	NR	€ 208	NR	€ 273
Keogh-Brown, 2016 [61]	China	NR	2011 (USD)	PPPY	NR	NR	\$1,175	NR	NR	\$1,373
Yu, 2021 [64]	China	Community & Institutional care	2017	PPPY	NR	Yuan 117,000	NR	Yuan 65,700	NR	Yuan 108,000
Nakanishi, 2020 [55]	Japan	Community care	2016	PPPM	NR	¥27,441	NR	¥26,309	¥26,649	NR

Nakanishi, 2021 [57]	Japan	Community care	2018 (USD)	18-month PP costs	NR	\$4,524	NR	\$4,866	\$4,493	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 1-year cohort	\$11,987	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 2-year cohort	\$12,528	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 3-year cohort	\$13,035	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 2nd year of onset, 2-year cohort	\$9,654	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 2nd year of onset, 3-year cohort	\$9,859	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 3rd year of onset, 3-year cohort	\$8,278	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 1-year cohort- LTC medical component costs	\$627	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 2-year cohort- LTC medical component costs	\$463	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY first year of onset, 3-year cohort- LTC medical component costs	\$183	NR	NR	NR	NR	NR

Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 2nd year of onset, 2-year cohort- LTC medical component costs	\$682	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 2nd year of onset, 3-year cohort- LTC medical component costs	\$428	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community & Institutional care	2021 (USD)	PPPY 3rd year of onset, 3-year cohort- LTC medical component costs	\$494	NR	NR	NR	NR	NR
Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	PPPM	patient: 14,019.1 caregiver: 7,573.2	patient: 19,131.2 caregiver: 8,399.8	NR	NR	NR	NR
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	PPPY	NR	\$2,996.39	NR	\$4,050	NR	\$3,990
Malapur, 2021 [67]	India	Community care	NR	PPPM	NR	NR	INR 1,400	NR	NR	INR 4,146
Aajami, 2019 [66]	Iran	NR	2018 (USD)	PPPY	NR	\$171	NR	\$219	NR	\$702
Long, 2020 [76]	US	Community & 1-24 % NH use	2010	PPPY	\$45,002	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community % 25-99% NH use	2010	PPPY	\$42,280	NR	NR	NR	NR	NR
Long, 2020 [76]	US	100% NH use	2010	PPPY	\$7,339	NR	NR	NR	NR	NR
Robinson, 2020 [75]	US	Community care	2017	PPPM	patients: \$1,098 caregivers: \$660	patients: \$1,288 caregivers: \$684	NR	NR	NR	NR

Chandler, 2023 [77]	US	NR	2017	PPPM, pre diagnosis	\$532	\$633	NR	NR	NR	NR
Chandler, 2023 [77]	US	NR	2017	PPPM, post diagnosis	\$712	\$1,191	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, baseline	patient: \$1080 caregivers: \$410	patient: \$954 caregivers: \$861	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 6 months	patient: \$786 caregiver: \$285	patient: \$835 caregivers: \$389	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 12 months	patient: \$728 caregiver: \$122	patient: \$955 caregivers: \$384	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 18 months	patient: \$81023 caregiver: \$122	patient: \$868 caregivers: \$252	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 24 months	patient: \$982 caregiver: \$193	patient: \$956 caregivers: \$204	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 30 months	patient: \$554 caregiver: \$112	patient: \$831 caregivers: \$356	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 36 months	patient: \$701 caregiver: \$169	patient: \$730 caregivers: \$311	NR	NR	NR	NR
Michaud, 2017 [71]	US	NR	2015	PPPY, at baseline	\$4,903	\$15,576	\$39,125	\$58,515	NR	\$60,442-68,246
Ton, 2017 [72]	US	Community & Institutional care	2015	Biennial spending PP	-\$5,588)	\$64,663	NR	\$40,122	NR	\$113,318
Monfared, 2023 [79]	US	Community care	2021	PPPM	NR	\$126	NR	\$182	NR	\$136

Monfared, 2023 [79]	US	Institutional care	2021	PPPM	NR	\$45	NR	\$80	NR	\$40
Direct non-medical costs										
Lacey, 2013 [3]	Global	NR	2010	PP 6 months	NR	NR	0-26 wks: \$1,624 27-52 wks: \$2,156 53-78 wks: \$2,930	NR	NR	NR
Mattap , 2022 [9]	Global: Iran, Argentina, Brazil, Thailand, Malaysia, Colombia, India, China, China, Turkey	Community & Institutional care	2019 (USD)	Mean absolute cost	NR	\$1,317	NR	\$1,962	NR	\$2,948
Mattap , 2022 [9]	Global	Community & Institutional care	2019 (USD)	Median absolute cost	NR	\$890	NR	\$1,556	NR	\$2,466
Mattap , 2022 [9]	Global	Community & Institutional care	2019 (USD)	Mean attributable cost	NR	\$50	NR	\$628	NR	\$1,152
Mattap, 2022 [9]	Global	Community & Institutional care	2019 (USD)	Median attributable cost	NR	\$33	NR	\$308	NR	\$1,008
Wübker, 2015 ^e	Europe	Community care	2010	Direct non-medical costs	NR	€ 5,728	NR	€ 6,796	NR	€ 7,241
Wübker, 2015 ^e	Europe	Institutional care	2010	Direct non-medical costs	NR	€ 17	NR	€ 9	NR	€ 56
Cimler, 2019 [20]	Europe	NR	Not reported	PP cost (units unclear; likely year)	NR	€ 619	NR	€ 1,432	NR	€ 1,978

Maresova 2018a [30]	France, Spain	Community care	NR	PPPM	NR	€ 619	NR	NR	NR	€ 1,705
Darba, 2015 [36]	Spain	Community & Institutional care	2013	PP cost over 6 months	€ 1,282	€ 193	NR	€ 1,095	NR	€ 1,211
Olazaran, 2017 [35]	Spain	Community care	2013	PPPM	NR	€ 192	NR	€ 608	€ 892	NR
Gomez-Maldonado, 2024 [41]	Spain	Community & Institutional care	2021	PPPY	NR	€ 792	NR	€ 1,931	NR	€ 2,373
Wimo, 2013 [23]	France	Community care	2010	PPPM	NR	€ 366	NR	€ 439	€ 499	NR
Gerves, 2014 [31]	France	Community care	2009	PPPM	NR	€ 105	NR	NR	€ 344	NR
Rapp, 2018 [32]	France	Community care	2010	Mean overall PP costs over 18 months	NR	€ 6,454	NR	€ 9,144	€ 13,350	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY a year before memory consultation	€ 303	€ 133	NR	€ 104	€ 178	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY a year after memory consultation	€ 397	€ 314	NR	€ 288	€ 184	NR
Dauphinot, 2022 [34]	France	Community care	2019	PPPY 2 years after memory consultation	€ 323	€ 254	NR	€ 193	€ 203	NR
Schwarzkopf, 2011j	Germany	Community care	2008	Direct non-medical costs	NR	€ 4,924	NR	€ 6,059	NR	-
Wimo, 2013 [23]	Germany	Community care	2010	PPPM	NR	€ 112	NR	€ 266	€ 509	NR
Michalowsky, 2018e	Germany	Community care	2015	Direct non-medical costs	NR	€ 1,452	NR	NR	€ 2,544	NR
Chiatti, 2015 ^d	Italy	Community care		PPPM	NR	€ 619	NR	NR	€ 1,705	NR
Bruno, 2018 [43]	Italy	Community care	2013	PPPM	NR	€ 270	NR	€ 199	€ 399	NR
Wimo, 2013 [23]	UK	Community care	2010	PPPM	NR	€ 357	NR	€ 429	€ 751	NR

Jones, 2015 [46]	UK	Community & Institutional care	2009/2010	PP over 3 months	NR	NR	NR	DS 0-6: £1,111 DS 7-8: £669 DS 910: £3,101	NR	DS 11-15: £7,609
Lenox-Smith, 2016 [48]	UK	Community care	2010	PP 18 month costs	NR	€ 7,172	NR	€ 11,351	€ 15,521	NR
Vossius, 2014 [50]	Norway	Community & Institutional care	2010	PPPM of survival, baseline	NR	€ 535	NR	NR	NR	NR
Vossius, 2014 [50]	Norway	Community & Institutional care	2010	PPPM, 1 year following diagnosis	NR	€ 1,409	NR	NR	NR	NR
Vossius, 2014 [50]	Norway	Community & Institutional care	2010	PPPM, 2 years following diagnosis	NR	€ 2,353	NR	NR	NR	NR
Vossius, 2014 [50]	Norway	Community & Institutional care	2010	PPPM, 3 years following diagnosis	NR	€ 3,611	NR	NR	NR	NR
Holmerova, 2017 ^e	Czech Republic	Community & Institutional care	2014	Direct non-medical costs per month	NR	€ 192	NR	€ 208	NR	€ 273
Érsek, 2010 ^e	Hungary	Community & Institutional care	2008	Direct non-medical costs	NR	€ 392	NR	€ 3,372	NR	€ 707
Zencir, 2005 ^d	Turkey	Community care	2019 (USD)	Absolute PPPY	NR	\$1,792	NR	\$2,626	NR	\$2,645
Wang, 2008 ^d	China	Community care	2019 (USD)	Attributable PPPY	NR	\$1,681	NR	\$1,684	NR	\$1,903
Liu, 2013 ^d	China	Community care	2019 (USD)	Attributable PPPY	NR	\$35	NR	\$1,713	NR	\$2,112

Keogh-Brown, 2016 [61]	China	NR	2011 (USD)	PPPY	NR	NR	\$212	NR	NR	\$64
Yan, 2019 ^g	China	Community & Institutional care	2019 (USD)	Attributable PPPY	NR	NA	NR	NA	NR	NA
Yu , 2021 [64]	China	Community & Institutional care	2017	PPPY	NR	Yuan 19,000	NR	Yuan 20,300	NR	Yuan 17,800
Takechi, 2019 [54]	Japan	Community & Institutional care	2016	PPPM	NR	¥29,569	NR	¥67,483	NR	¥149,795
Nakanishi, 2020 [55]	Japan	Community care	2016	PPPM	NR	¥42,906	NR	¥68,503	¥91,731	NR
Ashizawa, 2021 [56]	Japan	Institutional care	2019/2020 million JPY	PPPY, formal caregiving	2.111	NR	NR	2.47	NR	2.809
Nakanishi, 2021[57]	Japan	Community care	2018 (USD)	18-month PP costs	NR	\$7,749	NR	\$11,418	\$15,349	NR
Oba, 2021 [58]	Japan	Community care	Not reported	Median PPPM	NR	\$0	NR	\$10,000	NR	\$30,000
Fukuda, 2023 [59]	Japan	Community care	2021 (USD)	PPPY first year of onset, first year cohort	\$2,621	NR	NR	NR	NR	NR

Fukuda, 2023 [59]	Japan	Community care	2021 (USD)	PPPY first year of onset, 2-year cohort	\$2,473	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community care	2021 (USD)	PPPY first year of onset, 3-year cohort	\$1,767	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community care	2021 (USD)	PPPY 2nd year of onset, 2-year cohort	\$3,405	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community care	2021 (USD)	PPPY 2nd year of onset, 3-year cohort	\$2,755	NR	NR	NR	NR	NR
Fukuda, 2023 [59]	Japan	Community care	2021 (USD)	PPPY 3rd year of onset, -3-year cohort	\$3,712	NR	NR	NR	NR	NR
Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	PPPM	17,220	30,880	NR	NR	NR	NR
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 (USD)	PPPY	NR	\$484	NR	\$1,053	NR	\$1,576
Kongpakwattana, 2019 [65]	Thailand	Institution	2017 (USD)	PPPY	NR	NR	NR	\$4,627	NR	\$7,038
Liu, 2013 ^d	India	Community care	2019 (USD)	Attributable PPPY	NR	\$14	NR	\$45	NR	\$126
Rao & Bharath, 2013 ^d	India	Community care	2019 (USD)	Attributable PPPY	NR	\$383	NR	\$1,429	NR	\$2,287
Malapur, 2021 [67]	India	Community care	Not reported	PPPM	NR	NR	INR 713	NR	NR	INR 7,874
Aajami, 2019 [66]	Iran	NR	2018 (USD)	PPPY	NR	\$263	NR	\$641	NR	\$1,257
Robinson, 2020 [75]	US	Community care	2017	PPPM	\$194	\$359	NR	NR	NR	NR

Long, 2020 [76]	US	Community & 1-24 % NH use	2010	PPPY	\$12,879	NR	NR	NR	NR	NR
Long, 2020 [76]	US	Community % 25-99% NH use	2010	PPPY	\$37,938	NR	NR	NR	NR	NR
Long, 2020 [76]	US	100% NH use	2010	PPPY	\$80,259	NR	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, baseline	\$222	\$295	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 6 months	\$175	\$179	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 12 months	\$115	\$163	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 18 months	\$159	\$243	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 24 months, + structural adaptations	\$755	\$253	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 24 months, - structural adaptations	\$231	NR	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 30 months	\$202	\$239	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	PPPM, 36 months	\$140	\$390	NR	NR	NR	NR
Allegri, 2007 ^d	Argentina	Community & Institutional care	2019 (USD)	PPPY	NR	\$439	NR	\$589	NR	\$1,240
Liu, 2013 ^d	Cuba	Community care	2019 (USD)	Attributable PPPY	NR	\$97	NR	\$1,077	NR	\$432
Liu, 2013 ^d	Dominica n Republic	Community care	2019 (USD)	Attributable PPPY	NR	\$18	NR	\$445	NR	\$824
Liu, 2013 ^d	Peru	Community care	2019 (USD)	Attributable PPPY	NR	\$154	NR	\$1,521	NR	\$1,364
Liu, 2013 ^d	Venezuela	Community care	2019 (USD)	Attributable PPPY	NR	\$0	NR	\$0	NR	NA

Liu, 2013 ^d	Mexico	Community care	2019 (USD)	Attributable PPPY	NR	\$33	NR	\$143	NR	\$1,008
Prada, 2017 ^d	Colombia	Community care	2019 (USD)	Attributable PPPY	NR	NR	NR	\$171	NR	\$2,201
Prada, 2017 ^d	Colombia	NR	2019 (USD)	Attributable PPPY	NR	\$1,151	NR	\$1,776	NR	\$5,723
Ferretti, 2018 ^d	Brazil	NR	2019 (USD)	Absolute Annual cost per patient	NR	\$628	NR	\$744	NR	\$927

a Data from Costa, 2013 [4]

b Data from Monfared, 2022 [15]

c Data from Schaller, 2015 [7]

d Data from Mattap, 2022 [9]

e Data from Cantarero-Prieto, 2019 [11]

f Data from Gaskin, 2017 [68]

g Data from Tay, 2024 [18]

Abbreviations: CDR=Clinical Dementia Rating; MCI=mild cognitive impairment; NR=not reported; PPPM=per patient per month; PPPY=per patient per year; SLR=Systematic literature review; UK=United Kingdom; US=United States; wks=weeks

Table S6. Caregiver profile across regions, stratified by disease severity

Author, Year	Region	Care Setting	Category	MCI	Very Mild	Mild	Mild-to-moderate	Moderate	Moderate-to-severe	Severe	Very Severe
Haro, 2014 [24]	France, Germany, UK	Community care	Mean age	NR	NR	68.1	NR	66.7	67	NR	NR
	France, Germany, UK	Community care	% Female	NR	NR	68.6	NR	64.4	58.3	NR	NR
	France, Germany, UK	Community care	% Spouse	NR	NR	70.7	NR	63.1	62.9	NR	NR
	France, Germany, UK	Community care	% Child	NR	NR	23.5	NR	28.8	29.8	NR	NR
	France, Germany, UK	Community care	% Living with patient	NR	NR	76	NR	72.2	80	NR	NR
	France, Germany, UK	Community care	% Sole caregiver	NR	NR	67.5	NR	56.1	46.1	NR	NR
Reed, 2016 [26]	France, Germany, UK	Community care	mean age	NR	NR	68.1	NR	66.7	67	NR	NR
	France, Germany, UK	Community care	% Female	NR	NR	68.6	NR	64.4	58.3	NR	NR
	France, Germany, UK	Community care	% Spouse	NR	NR	70.7	NR	63.1	62.9	NR	NR
	France, Germany, UK	Community care	% Child of patient	NR	NR	23.5	NR	28.8	29.8	NR	NR
	France, Germany, UK	Community care	% Other relationship	NR	NR	5.8	NR	8.1	7.2	NR	NR
	France, Germany, UK	Community care	% Living with patient	NR	NR	75.3	NR	68.8	73.1	NR	NR

Jones, 2017 [28]	France, Germany, UK	Community care	Mean age, cognitive decline	NR	NR	67.5	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	Mean age functional decline	NR	NR	68.4	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	Mean age no cognitive decline	NR	NR	69	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	Mean age, no functional decline	NR	NR	68.2	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Female, cognitive decline	NR	NR	67.8	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Female, functional decline	NR	NR	71	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Female, no cognitive decline	NR	NR	69.7	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Female no functional decline	NR	NR	62.2	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Spouse, cognitive decline	NR	NR	67.8	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Spouse, functional decline	NR	NR	69.7	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Spouse, no cognitive decline	NR	NR	75.2	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Spouse, no functional decline	NR	NR	74.1	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Child, cognitive decline	NR	NR	27.5	NR	NR	NR	NR	NR

	France, Germany, UK	Community care	% Child, functional decline	NR	NR	23.5	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Child no cognitive decline	NR	NR	17.2	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Child, no functional decline	NR	NR	21	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Other, cognitive decline	NR	NR	4.7	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Other, functional decline	NR	NR	6.8	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Other, no cognitive decline	NR	NR	7.6	NR	NR	NR	NR	NR
	France, Germany, UK	Community care	% Other, no functional decline	NR	NR	4.9	NR	NR	NR	NR	NR
Belger, 2019 [27]	France, Germany, UK	Community care	Mean age	NR	NR	68.1	NR	66.7	67	NR	NR
	France, Germany, UK	Community care	% Female	NR	NR	68.5	NR	64.6	58.3	NR	NR
	France, Germany, UK	Community care	% Spouse	NR	NR	70.6	NR	63.1	62.9	NR	NR
	France, Germany, UK	Community care	% Child	NR	NR	23.5	NR	28.8	29.8	NR	NR
	France, Germany, UK	Community care	% Other	NR	NR	5.8	NR	8.1	7.2	NR	NR
	France, Germany, UK	Community care	% Lives with patient	NR	NR	75.9	NR	72.2	80	NR	NR

	France, Germany, UK	Community care	% working for pay	NR	NR	23.5	NR	25.4	22.4	NR	NR
Darba, 2015 [36]	Spain	Community care	Mean age	NR	56.9	61.7	NR	59.4	NR	60.4	NR
	Spain	Community care	% Spouse	NR	44.4	50	NR	41.1	NR	44	NR
	Spain	Community care	% Other relationship	NR	55.6	50	NR	58.9	NR	56	NR
	Spain	Community care	% Female	NR	50	62.1	NR	68.3	NR	69.9	NR
	Spain	Community care	% living with patient	NR	66.7	68.1	NR	70.3	NR	72.8	NR
Turro-Garriga, 2020 [38]	Spain	Community care	Mean age	NR	NR	NR	65	NR	NR	NR	NR
	Spain	Community care	% Female	NR	NR	NR	61.2	NR	NR	NR	NR
	Spain	Community care	% Spouse	NR	NR	NR	55.1	NR	NR	NR	NR
	Spain	Community care	% Living with patient	NR	NR	NR	67.3	NR	NR	NR	NR
	Spain	Community care	% Household income > 25,000 EU/ yr	NR	NR	NR	29.5	NR	NR	NR	NR
Gomez- Maldonado, 2024 [41]	Spain	Community or Institutional care	Mean age	NR	NR	61.2	NR	58.3	NR	54.9	NR
	Spain	Community or Institutional care	% Female	NR	NR	83.3	NR	77.3	NR	76.1	NR
	Spain	Community or Institutional care	% Spouse	NR	NR	50	NR	32	NR	21.1	
	Spain	Community or Institutional care	% Child	NR	NR	45.8	NR	57.3	NR	76.1	NR
	Spain	Community or Institutional care	% Other relative	NR	NR	4.2	NR	10.6	NR	2.8	NR

	Spain	Community or Institutional care	% Living with patient	NR	NR	87.5	NR	86.7	NR	80.6	NR
	Spain	Community or Institutional care	% Intake of medication due to caring tasks	NR	NR	39.1	NR	46.7	NR	57.7	NR
Chiatti, 2015 [42]	Italy	Community care	Mean age	NR	NR	NR	NR	61.4	NR	NR	NR
	Italy	Community care	% Female	NR	NR	NR	NR	66.2	NR	NR	NR
	Italy	Community care	% Spouse or partner	NR	NR	NR	NR	30.8	NR	NR	NR
	Italy	Community care	% Son/daughter	NR	NR	NR	NR	55.7	NR	NR	NR
	Italy	Community care	% Other relative	NR	NR	NR	NR	13.5	NR	NR	NR
Bruno, 2018 [43]	Italy	Community care	Mean age	NR	NR	61.7	NR	61.7	62.3	NR	NR
	Italy	Community care	% Female	NR	NR	67.9	NR	63.8	65.5	NR	NR
	Italy	Community care	% Married, cohabiting	NR	NR	85.7	NR	85	82.8	NR	NR
	Italy	Community care	% Spouse	NR	NR	60.7	NR	43.8	40.2	NR	NR
	Italy	Community care	% Child	NR	NR	35.7	NR	50	47.1	NR	NR
	Italy	Community care	% Other relative	NR	NR	3.6	NR	5	12.6	NR	NR
	Italy	Community care	% Lives with patient	NR	NR	71.4	NR	60	66.7	NR	NR
	Italy	Community care	% Sole caregiver	NR	NR	60.7	NR	31.3	23	NR	NR
Wimo, 2013 [23]	France	Community care	Mean age	NR	NR	68.6	NR	66.3	68.8	NR	NR

	France	Community care	% Spouse	NR	NR	65	NR	56.6	63.4	NR	NR
	France	Community care	% Child	NR	NR	30.7	NR	36	31.7	NR	NR
	France	Community care	% Other relative	NR	NR	4.4	NR	7.4	4.8	NR	NR
	France	Community care	% Working for pay	NR	NR	21.2	NR	26.5	17.2	NR	NR
	France	Community care	% Female	NR	NR	70.1	NR	58.8	58.6	NR	NR
	France	Community care	N missed workdays in the last month	NR	NR	0.7	NR	0.5	0.8	NR	NR
Rapp, 2018 [32]	France	Community care	Mean age	NR	NR	68.6	NR	66.3	68.8	NR	NR
	France	Community care	% Female	NR	NR	70.1	NR	58.8	58.6	NR	NR
	France	Community care	% Spouse	NR	NR	65	NR	56.6	63.4	NR	NR
	France	Community care	% Child	NR	NR	30.7	NR	36	31.7	NR	NR
	France	Community care	% Other relative	NR	NR	4.4	NR	7.4	4.8	NR	NR
	France	Community care	% Lives with patient	NR	NR	70.8	NR	67.6	82.1	NR	NR
Wimo, 2013 [23]	Germany	Community care	Mean age	NR	NR	66.6	NR	66.8	64	NR	NR
	Germany	Community care	% Female	NR	NR	71.1	NR	66.9	63.6	NR	NR
	Germany	Community care	% Spouse	NR	NR	72.8	NR	69.4	58.8	NR	NR
	Germany	Community care	% Child	NR	NR	19.7	NR	20.4	33.3	NR	NR
	Germany	Community care	% Other relative	NR	NR	7.5	NR	10.2	7.9	NR	NR

	Germany	Community care	% working for pay	NR	NR	27.6	NR	28	30.3	NR	NR
	Germany	Community care	N missed workdays in the last month	NR	NR	1	NR	1	1	NR	NR
Wimo, 2013 [23]	UK	Community care	Mean age	NR	NR	69.4	NR	66.9	68.7	NR	NR
	UK	Community care	% Female	NR	NR	64.7	NR	66.5	52.1	NR	NR
	UK	Community care	% Spouse	NR	NR	72.1	NR	62.6	67.1	NR	NR
	UK	Community care	% Child	NR	NR	22.9	NR	30.7	24	NR	NR
	UK	Community care	% Other relative	NR	NR	5	NR	6.7	8.9	NR	NR
	UK	Community care	% working for pay	NR	NR	20.9	NR	21.8	18.5	NR	NR
	UK	Community care	N missed workdays in the last month	NR	NR	0.7	NR	1.6	1.7	NR	NR
Lenox-Smith, 2016 [48]	UK	Community care	Mean age	NR	NR	64.5	NR	66.9	68.7	NR	NR
	UK	Community care	% Female	NR	NR	64.5	NR	66.7	52.1	NR	NR
	UK	Community care	% Spouse	NR	NR	72	NR	62.8	67.1	NR	NR
	UK	Community care	% Living with patient	NR	NR	78	NR	71.7	83.6	NR	NR
Henderson, 2019 [49]	UK	Community care	% Age <65	NR	NR	NR	NR	9	NR	NR	NR
	UK	Community care	% Age 65-69	NR	NR	NR	NR	12	NR	NR	NR
	UK	Community care	% Age 70-74	NR	NR	NR	NR	17	NR	NR	NR
	UK	Community care	% Age 75-79	NR	NR	NR	NR	24	NR	NR	NR

	UK	Community care	% Age 80+	NR	NR	NR	NR	39	NR	NR	NR
	UK	Community care	% Female	NR	NR	NR	NR	44	NR	NR	NR
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	Median age	NR	NR	63.5	NR	63.5	NR	67	NR
	Czech Republic	Community or Institutional care	% Female	NR	NR	69.4	NR	69.7	NR	64.7	NR
	Czech Republic	Community or Institutional care	Lives with patient	NR	NR	69.4	NR	80.3	NR	88.2	NR
	Czech Republic	Community or Institutional care	Does not live with patient	NR	NR	30.6	NR	19.7	NR	11.8	NR
Van Hezik-Wester, 2023 [52]	Netherlands	Community & Institutional care	Mean age	NR	NR	51	NR	47	NR	52	NR
	Netherlands	Community & Institutional care	% Female	NR	NR	50	NR	50	NR	50	NR
	Netherlands	Community & Institutional care	% Experiencing productivity loss	NR	NR	43	NR	28	NR	44	NR
Nakanishi, 2020 [55]	Japan	Community care	Mean age	NR	NR	61.9	NR	62.4	62	NR	NR
	Japan	Community care	% Female	NR	NR	72.4	NR	71.8	68.1	NR	NR
	Japan	Community care	% Spouse	NR	NR	39.7	NR	34	38.3	NR	NR
	Japan	Community care	% Sibling	NR	NR	2.6	NR	1	1.1	NR	NR
	Japan	Community care	% Child	NR	NR	47.4	NR	50.2	48.9	NR	NR
	Japan	Community care	% Other	NR	NR	10.3	NR	14.8	11.7	NR	NR
	Japan	Community care	% Living with patient	NR	NR	67.9	NR	73.2	94.1	NR	NR
	Japan	Community care	% Sole caregiver	NR	NR	41	NR	39.7	37.2	NR	NR

	Japan	Community care	% Has paid work	NR	NR	49.4	NR	50.7	43.1	NR	NR
Oba, 2021 [58]	Japan	Community care	% Managing finances for patients with AD	NR	NR	54.5	NR	74.3	NR	92	NR
Takechi, 2023 [60]	Japan	Community care	Mean age	64.9	NR	66.6	NR	NR	NR	NR	NR
	Japan	Community care	% Female	75.8	NR	79.4	NR	NR	NR	NR	NR
	Japan	Community care	% Spouse	51.5	NR	47.1	NR	NR	NR	NR	NR
	Japan	Community care	% Child	42.4	NR	50	NR	NR	NR	NR	NR
	Japan	Community care	% Other	6.1	NR	2.9	NR	NR	NR	NR	NR
	Japan	Community care	% Contribution to care, (0-20%)	3	NR	11.8	NR	NR	NR	NR	NR
	Japan	Community care	% Contribution to care, (20-40%)	3	NR	5.9	NR	NR	NR	NR	NR
	Japan	Community care	% Contribution to care, (40-60%)	15.2	NR	8.8	NR	NR	NR	NR	NR
	Japan	Community care	% Contribution to care, (60-80%)	0	NR	5.9	NR	NR	NR	NR	NR
	Japan	Community care	% Contribution to care, (80-100%)	78.8	NR	67.6	NR	NR	NR	NR	NR
	Japan	Community care	% Living with patient	69.7	NR	70.6	NR	NR	NR	NR	NR
	Japan	Community care	% Working for pay	39.4	NR	58.8	NR	NR	NR	NR	NR
	Japan	Community care	% Never worked	10	NR	14.3	NR	NR	NR	NR	NR
	Japan	Community care	% Early retirement	5	NR	7.1	NR	NR	NR	NR	NR
	Japan	Community care	% Reached own retirement age	20	NR	28.6	NR	NR	NR	NR	NR

	Japan	Community care	% Stopped work due to own health problems	20	NR	14.3	NR	NR	NR	NR	NR
Kongpakwattana 2019 [65]	Thailand	Community & Institutional care	Mean age	NR	NR	54.5	NR	55.4	NR	55.3	NR
	Thailand	Community & Institutional care	% Female	NR	NR	82.9	NR	61	NR	85.2	NR
	Thailand	Community & Institutional care	% Spouse	NR	NR	25.7	NR	23.7	NR	14.8	NR
	Thailand	Community & Institutional care	% Child	NR	NR	57.1	NR	59.3	NR	64.8	NR
	Thailand	Community & Institutional care	% Spouse of child	NR	NR	0	NR	3.4	NR	1.9	NR
	Thailand	Community & Institutional care	% Sibling	NR	NR	5.7	NR	0	NR	3.7	NR
	Thailand	Community & Institutional care	% Grandchild	NR	NR	2.9	NR	3.4	NR	5.6	NR
	Thailand	Community & Institutional care	% Friend/neighbour/acquaintance	NR	NR	0	NR	6.8	NR	1.9	NR
	Thailand	Community & Institutional care	% Paid domestic helper	NR	NR	8.6	NR	3.4	NR	7.4	NR
Szabo, 2019 [69]	Canada	Community care	Mean age	NR	NR	76.1	NR	76.6	NR	77.4	NR
	Canada	Community care	% Female	NR	NR	57	NR	56	NR	58	NR
	Canada	Community care	% Employed	NR	NR	32	NR	30.1	NR	26.9	NR
	Canada	Community care	% Retired	NR	NR	68	NR	69.5	NR	72	NR
	Canada	Community care	% Volunteer	NR	NR	0	NR	0.3	NR	2.1	NR
Zhu, 2013 [70]	US	NR	Mean age	66	NR	NR	NR	NR	NR	NR	NR
	US	NR	% Female	64.6	NR	NR	NR	NR	NR	NR	NR

	US	NR	% Spouse	74.9	NR	NR	NR	NR	NR	NR	NR
	US	NR	% Child or Child in law	13.5	NR	NR	NR	NR	NR	NR	NR
	US	NR	% Friend	7.7	NR	NR	NR	NR	NR	NR	NR
	US	NR	% Other	3.9	NR	NR	NR	NR	NR	NR	NR
	US	NR	% Other (combined friend & other)	11.6	NR	NR	NR	NR	NR	NR	NR
Michaud, 2017 [71]	US	NR	Mean age	NR	71.5	68.5	63	62.83	NR	61.8	56.57
	US	NR	% Female	NR	37.5	68.2	72.3	62.5	NR	72	83.3
	US	NR	% spouse of patient	NR	87.5	86.4	55.3	54.2	52	0	59.4
	US	NR	% child of patient	NR	12.5	4.5	42.6	41.7	NR	48	83.3
	US	NR	% sibling/relative/friend of patient	NR	0	9.1	2.1	4.2	NR	0	16.7
Robinson, 2020 [75]	US	Community care	Mean age	58.6	57.4	NR	NR	NR	NR	NR	NR
	US	Community care	% Female	63.2	68.2	NR	NR	NR	NR	NR	NR
	US	Community care	% Spouse	43.3	37.8	NR	NR	NR	NR	NR	NR
	US	Community care	% Lives with patient	64.2	72.3	NR	NR	NR	NR	NR	NR
	US	Community care	% working for pay	48.3	43.4	NR	NR	NR	NR	NR	NR
	US	Community care	% Never worked	7.1	9	NR	NR	NR	NR	NR	NR
	US	Community care	% Reached retirement age	52.7	43.8	NR	NR	NR	NR	NR	NR

	US	Community care	% Early retirement	13	8.4	NR	NR	NR	NR	NR	NR
	US	Community care	% Laid off	5.1	5.4	NR	NR	NR	NR	NR	NR
	US	Community care	% Own health problems preventing working for pay	11.7	17.1	NR	NR	NR	NR	NR	NR
	US	Community care	% Stopped working to care for patient	1.7	7.1	NR	NR	NR	NR	NR	NR
	US	Community care	N missed workdays/month due to caregiving	0.1	0.4	NR	NR	NR	NR	NR	NR
Dibenedetti, 2020 [74]	US	NR	Mean age	NR	NR	NR	NR	64.1	NR	56	NR
	US	NR	% Female	NR	NR	NR	NR	75	NR	75	NR
	US	NR	% Spouse	NR	NR	NR	NR	58.3	NR	25	NR
	US	NR	% Child	NR	NR	NR	NR	33.3	NR	75	NR
	US	NR	% Cousin	NR	NR	NR	NR	8.3	NR	0	NR
	US	NR	% Full time employed	NR	NR	NR	NR	33.3	NR	50	NR
	US	NR	% Part time employed	NR	NR	NR	NR	0	NR	16.7	NR
	US	NR	% Student	NR	NR	NR	NR	0	NR	8.3	NR
	US	NR	% Retired	NR	NR	NR	NR	50	NR	25	NR
	US	NR	% Unemployed (e.g., homemaker, not looking for work)	NR	NR	NR	NR	16.7	NR	0	NR
Monfared, 2023 [79]	US	Community - dwelling or Institutional care	% Spouse	29.5	NR	17.4	NR	21.8	NR	48.8	NR

	US	Community - dwelling or Institutional care	% Child	27.2	NR	50.4	NR	41.7	NR	64.1	NR
	US	Community - dwelling or Institutional care	% Spouse of child	3.1	NR	8.3	NR	6.8	NR	14.7	NR
	US	Community - dwelling or Institutional care	% Grandchild	6.2	NR	12.4	NR	6.8	NR	14.7	NR
	US	Community - dwelling or Institutional care	% Other relative	6.3	NR	0.8	NR	F	NR	9	NR
	US	Community - dwelling or Institutional care	% Other individual	9.6	NR	14	NR	8.3	NR	12.8	NR
	US	Community - dwelling or Institutional care	% Organization or paid caregiver	12	NR	47.9	NR	59.2	NR	67.3	NR
	US	Community - dwelling or Institutional care	% Employed	7.7	NR	1.7	NR	1.5	NR	2.6	NR
	US	Community - dwelling or Institutional care	% Unemployed (disabled, retired)	21.8	NR	15.7	NR	20.4	NR	26.3	NR
Monfared, 2024 [80]	US	Community & Institutional care	% Full time employed	29.6	NR	7.4	NR	48	NR	52.4	NR
	US	Community & Institutional care	% Part time employed	18.5	NR	11.1	NR	16	NR	9.5	NR
	US	Community & Institutional care	% Unemployed	7.4	NR	3.7	NR	0	NR	0	NR
	US	Community & Institutional care	% Retired	37	NR	63	NR	24	NR	33.3	NR
	US	Community & Institutional care	% Homemaker	7.4	NR	14.8	NR	12	NR	4.8	NR

Abbreviations: AD=Alzheimer disease; MCI=mild cognitive impairment; NR=not reported; UK=United Kingdom; US=United States

Table S7. Hours spent caregiving by an unpaid caregiver, stratified by disease severity

Author, Year	Region	Care Setting	Units	MCI	Mild	Mild-to-moderate	Moderate	Moderate-to-severe	Severe
Jönsson, 2006 ^a	Europe	NR	Hours/ week	NR	13.92	NR	26.57	44.98	49.8
Klimova 2016 [8]	Europe	Community care	Hours/ week	NR	NR	NR	NR	NR	NR
Haro, 2014 [24]	France, Germany, UK (pooled data)	Community care	Hours/month	NR	113	NR	169.1	NR	297.8
Reed, 2016 [26]	France, UK, Germany (pooled)	Community care	Hours/month	NR	121.3	NR	187.2	339.7	NR
Jones, 2017 [28]	France, Germany, UK	Community care	Hours/ month, baseline-cognitive decline	NR	142	NR	NR	NR	NR
	France, Germany, UK	Community care	Hours/ month, baseline-functional decline	NR	152	NR	NR	NR	NR
	France, Germany, UK	Community care	Hours/ month, baseline- no cognitive decline	NR	107.4	NR	NR	NR	NR
	France, Germany, UK	Community care	Hours/ month, baseline- no functional decline	NR	79.3	NR	NR	NR	NR
	France, Germany, UK	Community care	Hours/ month, over 18 months-cognitive decline	NR	232.9	NR	NR	NR	NR
	France, Germany, UK	Community care	Hours/ month, over 18 months-functional decline	NR	245.3	NR	NR	NR	NR
	France, Germany, UK	Community care	Hours/ month, over 18 months- no	NR	166.6	NR	NR	NR	NR

			cognitive decline						
	France, Germany, UK	Community care	Hours/ month, over 18 months- no functional decline	NR	124.1	NR	NR	NR	NR
Bastida, 2006 ^a	Spain	Community care	Hours/ week	NR	56	NR	77	NR	84
Lopez-Bastida, 2006 ^b	Spain	NR	Hours/ week	NR	39	NR	58	NR	73
Olazaran, 2017 [35]	Spain	Community care	Hours/month	NR	165	NR	221.9	301.7	NR
Turro-Garriga, 2020 [38]	Spain	Community care	Hours /day, BADL	NR	NR	0.4	NR	NR	NR
	Spain	Community care	Hours/day, iADL	NR	NR	2.1	NR	NR	NR
Gomez-Maldonado, 2024 [41]	Spain	Community or Institutional care	Hours/ week	NR	43.1	NR	80.6	NR	70.4
Chiatti, 2015 [42]	Italy	Community or Institutional care	Hours/week, primary caregiver	NR	NR	NR	50.2	NR	NR
	Italy	Community or Institutional care	Hours/week, another caregiver	NR	NR	NR	20.2	NR	NR
Bruno, 2018 [43]	Italy	Community care	Hours/month	NR	210.9	NR	173.6	324.2	NR
Sou�tre, 1995 ^a	France	Community care	Hours/ week	NR	NR	NR	26.6	NR	31.5
Rigaud, 2003 ^a	France	Community care	Hours/ week	NR	7.08	NR	28.42	NR	120
Wimo, 2013 [23]	France	Community care	Hours/month	NR	111.8	NR	135.1	258	NR
	Germany	Community care	Hours/month	NR	83.4	NR	172.2	320.8	NR
Reese, 2011 ^b	Germany	Community care	Hours/ week	NR	NR	19	69	NR	97
Martins, 2022 [44]	Germany	Community care	Hours/month	48.93	83.4	NR	172.2	NR	320.8
Sou�tre, 1999 ^a	UK	Community care	Hours/ week	NR	34.05	NR	44.54	NR	64.11
Findley, 2011 ^a	UK	NR	Hours/ week	NR	NR	NR	31.74	34.82	NR
Wimo, 2013 [23]	UK	Community care	Hours/month	NR	147.5	NR	192.3	311.2	NR

Lenox-Smith, 2016 [48]	UK	Community care	hours/ month, baseline	NR	156.5	NR	215.1	348	NR
	UK	Community care	hours/ month, 6 months	NR	178.3	NR	220.3	354.2	NR
	UK	Community care	hours/ month, 12 months	NR	220.1	NR	230	370.2	NR
	UK	Community care	hours/ month, 18months	NR	219.9	NR	272.4	396.1	NR
Henderson, 2019 [49]	UK	Community care	hours/ 3 months, unpaid carer	NR	NR	NR	410.6	NR	NR
	UK	Community care	hours/ 3 months, other friends/relatives	NR	NR	NR	31.79	NR	NR
Wimo, 2003 ^a	Sweden	NR	Hours/ week	NR	4.77	NR	47.54	NR	25.27
Mesterton, 2010 ^a	Sweden	Community & Institutional care	Hours/ week	NR	10.3	NR	14.2	NR	20.2
Keränen, 2003 ^a	Finland	Community care	Hours/ week	NR	10	NR	NR	NR	30.8
Van Hezik-Wester, 2023 [52]	Netherlands	Community & Institutional care	Hours/ week, primary caregiver	NR	21.3	NR	17	NR	24.6
	Netherlands	Community & Institutional care	Hours/ week, all caregivers	NR	28	NR	20.6	NR	33.9
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	Hours/month	NR	150	NR	280	NR	340
Zencir, 2005 ^a	Turkey	Community care	Hours/ week	NR	1.22	NR	12.47	NR	21.07
Nakanishi, 2020 [55]	Japan	Community care	Hours/month	NR	97.2	NR	118.2	NR	171.3
Takechi, 2023 [60]	Japan	Community care	Mean time spent caring for patient-IADL	13.6	21.2	NR	NR	NR	NR
	Japan	Community care	Mean time spent caring for patient-supervision	12.8	6	NR	NR	NR	NR
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	Hours/month	NR	204.4	NR	253.3	NR	354.4
Hux, 1998 ^a	Canada	Community care	Hours/ week	NR	22.05	NR	43.23	NR	46.75

	Canada	Institutional care	Hours/ week	NR	NR	NR	3.62	4.52	9.97
	Canada	Community or institutional care	Hours/ week	NR	22.1	NR	26.4	24.08	15.12
Max, 1995 ^a	US	Community care	Hours/ week	NR	NR	NR	66.15	NR	75.43
Rice, 1993 ^a	US	Institutional care	Hours/ week	NR	NR	NR	4.7	NR	9.3
	US	Community care	Hours/ week	NR	NR	NR	66.6	NR	75.88
	US	Institutional care	Hours/ week	NR	NR	NR	4.66	NR	9.2
Leon, 1999 ^a	US	Community care	Hours/ week	NR	31.33	NR	40.8	NR	49.6
Weimer, 2009 ^b	US	NR	Hours/ week	NR	15	NR	44	NR	70
Zhu, 2013 [70]	US	NR	Minutes/ day	58	NR	NR	NR	NR	NR
Chen 2018 [73]	US	NR	Time spent caregiving over 24 hours	NR	5.2	NR	9.1	NR	NR
Dibenedetti, 2020 [74] Robinson, 2020 [75]	US	NR	Hours/ week	NR	NR	NR	65.7	65.3	NR
	US	Community care	Hours per month, BADL	18.6	49.2	NR	NR	NR	NR
	US	Community care	Hours per month, iADL	38.9	86.2	NR	NR	NR	NR
	US	Community care	Hours per month, Supervision	27	75.2	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	Hours / day, month 12	3.1	6.5	NR	NR	NR	NR
	US	NR	Hours / day, month 18	3.5	6.1	NR	NR	NR	NR
	US	NR	Hours / day, month 24	3.6	7.9	NR	NR	NR	NR
Monfared, 2023 [79]	US	NR	Hours / day, month 36	3.6	8.8	NR	NR	NR	NR
	US	Community - dwelling or Institutional care	Hours/month	7.7	109.7	NR	102.3	NR	181.5
Callahan, 2024 [81]	US (AD PACE What Matters Most interview)	Community care or Institutional care	Hours/ week	NR	NR	NR	44.3	NR	50.4

	US and Canada (A-LIST survey)	Community care or Institutional care	Hours/ week	NR	21.2	NR	53.9	NR	69.5
Allegri, 2007 ^a	Argentina	Community care	Hours/ week	NR	24.4	NR	39.5	NR	43.8
	Argentina	NR	Hours/ week	NR	13.5	NR	14.88	NR	11.5

a Data obtained from Costa, 2013 [4]

b Data obtained from Takizawa, 2014 [6]

Abbreviations: AD=Alzheimer's disease; BADL=basic activities of daily living; iADL=instrumental activities of daily living; MCI=mild cognitive impairment; NR=not reported; PD=Parkinson's disease; SLR=systematic literature review; UK=United Kingdom; US=United States; Vad=vascular dementia

Table S8. Mean total indirect costs incurred by patients with AD or dementia

Author, Year	Region	Care Setting	Cost Year	Approach	Units	MCI/ Very Mild	Mild	Mild-to-moderate	Moderate	Moderate-to-severe	Severe
Lacey, 2013 [3]	Global	Community care	2010 USD	Opportunity	PP 6 months	NR	NR	0-26 wks: \$5251 27-52 wks: \$5299 53-78 wks: \$5623	NR	NR	NR
Lacey, 2013 [3]	Global	Community care	2010 USD	Opportunity	PP 6 months	NR	NR	0-26 wks: \$105 27-52 wks: \$215 53-78 wks: \$133	NR	NR	NR
Schaller, 2015 [7]	Global	Community care	2013 (USD)	NR	PPPY	NR	\$15,478	NR	\$31,104	NR	\$38,403
Kliess, 2021 [14]	Global	Community care	NA	Replacement & Opportunity cos	% cost	40.10 %	60.7%	NR	67.1%	NR	72.5%
Kliess, 2021 [14]	Global	Institutional care	NA	Replacement & Opportunity cos	% cost	NR	NR	NR	6.40%	NR	5.30%
Kliess, 2021 [14]	Global	Community & Institutional care	NA	Replacement & Opportunity cos	% cost	NR	13.3%	NR	24.9%	NR	20.0%
Tay, 2024 [18]	Global	Community & Institutional care	2021 (USD)	Opportunity or replacement	PPPY	NR	\$10,165	NR	\$14,351	NR	\$19,205
Tay, 2024 [18]	Global	Community & Institutional care	2021 (USD)	Opportunity or replacement	PPPY	NR	\$11,391	NR	\$13,276	NR	\$20,740
Mattap, 2022 [9]	Global	Community & Institutional care	2019 (USD)	Opportunity	Mean absolute cost	NR	\$1,560	NR	\$3,073	NR	\$2,967
Mattap, 2022 [9]	Global	Community & Institutional care	2019 (USD)	Opportunity	Median absolute cost	NR	\$461	NR	\$1,624	NR	\$2,744
Mattap, 2022 [9]	Global	Community & Institutional care	2019 (USD)	NR	Mean attributable cost, PPPY	NR	\$297	NR	\$5,672	NR	\$10,522

Mattap, 2022 [9]	Global	Community & Institutional care	2019 (USD)	NR	Median attributable cost, PPPY	NR	\$254	NR	\$5,706	NR	\$11,586
Jönsson, 2006 ^a	Europe	Community & Institutional care	2012	Opportunity	PPPY	NR	€ 2,694	NR	€ 5,954	€ 9,611	€ 11,085
Wübkr, 2015 ^f	Europe	Community care	2010	Replacement, opportunity cost & human capital	PPPM	NR	€ 765	NR	€ 1,030	NR	€ 1,390
Cimler, 2019 [20]	Europe	NR	NR	Opportunity	NR	NR	€ 1,027	NR	€ 1,677	NR	€ 2,315
Reed, 2016 [26]	France, UK, Germany	Community care	2010	Opportunity	PPPM	NR	€ 758	NR	€ 1,107	€ 1,832	NR
Maresova, 2018a [30]	France, Spain	NR	NR	Opportunity & Replacement	PPPM	NR	£1,027	NR	NR	£1,996	NR
Lopez-Pousa, 2004 ^b	Spain	NR	2013	Opportunity	PPPY	NR	€ 5,996	NR	€ 9,458	NR	€ 17,969
Lopez-Bastida, 2006 ^d	Spain	Community care	2013	Opportunity	PPPY	NR	\$24,635	NR	\$39,507	NR	\$67,735
Bastida, 2006 ^a	Spain	Community care	2012	Replacement	PPPY	NR	\$13,676	NR	\$24,973	NR	\$42,817
Gustavsson et al, 2011 ^c	Spain	Community care	2007	Opportunity	PPPM	NR	€ 405	NR	€ 578	NR	€ 815
Gustavsson et al, 2011 ^c	Spain	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	€ 146	NR	€ 243
Gustavsson et al, 2011 ^c	Spain	Community care	2007	Opportunity	PPPM	NR	€ 89	NR	€ 96	NR	€ 46
Gustavsson et al, 2011 ^c	Spain	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	€ 87	NR	€ 25
Gustavsson, 2011 ^h	Spain	Community care & Institutional care	2021 (USD)	Opportunity	PPPY	NR	\$9,776	NR	\$17,948	NR	\$22,341

Darba 2015 [36]	Spain	Community care	2013	Replacement	PP over 6 months	€ 10,392	€ 16,560	NR	€ 35,899	NR	€ 52,900
Darba 2015*[36]	Spain	Community care	2013	Opportunity	PP over 6 months	€ 719	€ 220	NR	€ 565	NR	€ 613
Olazaran, 2017 [35]	Spain	Community care	2013	Opportunity	PPPM	NR	€ 1,050	NR	€ 1,239	€ 1,580	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Opportunity	PPPM	NR	€ 1,049	NR	€ 1,158	€ 1,475	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Opportunity	PPPM	NR	€ 106	NR	€ 282	€ 270	NR
Olazaran, 2017 [35]	Spain	Community care	2013	Opportunity	PPPM	NR	€ 75	NR	€ 224	€ 239	NR
Ruiz-Adame, 2019 [37]	Spain	Community care	2012	Opportunity	PPPY	NR	€ 3,430	NR	€ 12,620	NR	€ 28,859
Turró-Garriga, 2020 [38]	Spain	Community care	2014	Opportunity	PPPM	NR	NR	€ 843	NR	NR	NR
Turró-Garriga, 2020 [38]	Spain	Community care	2014	Opportunity	PPPM	NR	NR	€ 421	NR	NR	NR
Turró-Garriga, 2020 [38]	Spain	Community care	2014	Opportunity	PPPM	NR	NR	€ 643	NR	NR	NR
Gomez-Maldonado, 2024 [41]	Spain	Community or Institutional care	2021	Opportunity	PPPY	NR	€ 0	NR	€ 0	NR	€ 873
Chiatti, 2015 [42]	Italy	Community care or Institution	NR	Replacement	PPPY	NR	NR	NR	€ 13,590	NR	NR
Chiatti, 2015 [42]	Italy	Community care or Institution	NR	Replacement	PPPY	NR	NR	NR	€ 9,686	NR	NR
Chiatti, 2015 [42]	Italy	Community care or Institution	NR	Replacement	PPPY	NR	NR	NR	€ 3,904	NR	NR
Bruno, 2018 [43]	Italy	Community care	2013	Opportunity	PPPM	NR	€ 1,370	NR	€ 1,223	€ 2,223	NR
Souëtre, 1995 ^a	France	Community care	2012	Opportunity	PPPY	NR	NR	NR	\$2,108	NR	\$2,768
Rigaud, 2003 ^d	France	NR	2013	Opportunity	PPPY	NR	€ 2,738	NR	NR	€ 22,939	NR

Rigaud, 2003 ^d	France	Community care	2013	Replacement	PPPY	NR	\$3,326	NR	\$12,990	NR	\$55,383
Rapp, 2012 ^e	France	NR	2013	Opportunity	PPPY	NR	€ 23,626	NR	NR	€ 36,760	NR
Wimo, 2013 [23]	France	Community care	2010	Opportunity	PPPM	NR	€ 677	NR	€ 804	€ 1,307	NR
Gerves, 2014 [31]	France	Community care	2010	Opportunity	PPPM	NR	€ 1,454	NR	NR	€ 3,322	NR
Gerves, 2014 [31]	France	Community care	2010	Replacement	PPPM	NR	€ 1,309	NR	NR	€ 2,407	NR
Rapp, 2018 [32]	France	Community care	2010	Opportunity	PP over 18 months	NR	€ 12,556	NR	€ 18,037	€ 22,704	NR
Teipel, 2007 ^b	Germany	Community care	2013	Opportunity	PPPY	NR	€ 6,656	NR	NR	NR	NR
Leicht, 2011 ^d	Germany	Community & Institutional care	2013	Replacement	PPPY	NR	€ 12,155	NR	€ 24,933	NR	€ 26,924
Reese, 2011 ^b	Germany	Community care	2013	Opportunity	PPPY	NR	NR	€ 3,424	NR	NR	NR
Schwarzkopf, 2011 ^d	Germany	Community care	2013	Replacement	PPPY	NR	€ 42,133	NR	€ 71,585	NR	NR
Wimo, 2013 [23]	Germany	Community care	2010	Opportunity	PPPM	NR	€ 643	NR	€ 1,329	€ 2,376	NR
Michalowsky, 2018 ^f	Germany	Community care	2015	Opportunity	PPPY	NR	€ 18,223	NR	NR	€ 22,213	NR
Trepel, 2011 ^f	Ireland	Community & Institutional care	2010	Opportunity	Per day	NR	€ 280	NR	€ 473	NR	€ 648
Souëtre 1999 ^a	UK	Community care	2012	Opportunity	PPPY	NR	£7,698	NR	£10,070	NR	£14,493
Findley, 2011 ^a	UK	Community & Institutional care	2012	Opportunity	PPPY	NR	NR	NR	£18,548	£21,708	NR
Gustavsson, 2011 ^h	UK	Community & Institutional care	2021 (USD)	Opportunity	PPPY	NR	\$11,695	NR	\$20,351	NR	\$20,219
Gustavsson, 2011 ^c	UK	Community care	2007	Opportunity	PPPM	NR	£518	NR	£678	NR	£816

Gustavsson, 2011 ^c	UK	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	£224	NR	£60
Gustavsson, 2011 ^c	UK	Community care	2007	Opportunity	PPPM	NR	£13	NR	£3	NR	£26
Gustavsson, 2011 ^c	UK	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	£19	NR	£16
Wimo, 2013 [23]	UK	Community care	2010	Opportunity	PPPM	NR	€ 964	NR	€ 1,135	€ 1,730	NR
Lenox-Smith, 2016 [48]	UK	Community care	2010	Opportunity	PP over 18 months	NR	£15,678	NR	£17,007	£24,672	NR
Hendersson, 2019 [49]	UK	Community care	2014/15 (British pounds)	Opportunity	PP 3 month	NR	NR	£2,948	NR	NR	NR
Kraft, 2010 ^d	Switzerland	Community care	2013	Replacement	PPPY	NR	€ 17,251	NR	€ 39,893	NR	€ 79,786
Jonsson, 2006 ^d	Scandinavia	Community & Institutional care	2013	Opportunity	PPPY	NR	€ 4,541	NR	€ 7,421	NR	€ 9,985
Wimo, 2003 ^a	Sweden	Community & Institutional care	2012	Opportunity	PPPY	NR	€ 7,508	NR	€ 10,882	NR	€ 5,782
Mesterton & Wimo, 2010 ^h	Sweden	Community & Institutional care	2021 (USD)		PPPY	NR	\$4,057	NR	\$7,674	NR	\$5,513
Gustavsson, 2011 ^c	Sweden	Community care	2007	Opportunity	PPPM	NR	€ 295	NR	€ 494	NR	€ 603
Gustavsson, 2011 ^c	Sweden	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	€ 45	NR	€ 74
Gustavsson, 2011 ^c	Sweden	Community care	2007	Opportunity	PPPM	NR	€ 17	NR	€ 71	NR	€ 82
Gustavsson, 2011 ^c	Sweden	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	€ 44	NR	€ 9
Gustavsson, 2011 ^h	Sweden	Community & Institutional care	2021 (USD)	Opportunity	PPPY	NR	\$6,064	NR	\$12,710	NR	\$14,926
Holmerova, 2017 [53]	Czech Republic	Community or Institutional care	NR	Opportunity & replacement	PPPM	NR	€ 951	NR	€ 1,873	NR	€ 2,156

Van Hezik-Wester, 2023 [52]	Netherlands	Community & Institutional care	2021	Replacement	PPP week	NR	€ 434	NR	€ 319	NR	€ 524
Van Hezik-Wester, 2023 [52]	Netherlands	Community & Institutional care	2021	Friction cost method	PPP week	NR	€ 64	NR	€ 21	NR	€ 42
Keränen, 2003a	Finland	Community care	2012	Opportunity	PPPY	NR	€ 1,132	NR	NR	NR	NR
Jetsonen, 2021 [51]	Finland	Community care	2016	Opportunity	PPPY	€ 8,302	€15,654 to €25,330	NR	€ 34,979	NR	€45,169
Jetsonen, 2021 [51]	Finland	Community care	2016	Opportunity	PPPY	€ 10,131	€19,341 to €30,628	NR	€ 44,360	NR	€53,208
Zencir et al, 2005 ^e	Turkey	Community care	2020 (PPPD)	Replacement	PPPY	NR	\$472.7	NR	\$4,785.4	NR	\$8,084.3
Érsek, 2010 ^f	Hungary	Community & Institutional care	2008	Opportunity	NR	NR	€ 2,128	NR	€ 1,876	NR	€ 4,011
Onetiu, 2016 ^e	Romania	NR	2020 (PPPD)	Opportunity	PPPY	NR	\$5,109	NR	\$6,294	NR	\$7,199
Wang, 2008 ^e	China	Community care	2020 (PPPD)	Replacement	PPPY	NR	\$1,364	NR	\$2,734	NR	\$5,345
Wang, 2010 ^e	China	Community care	2020 (PPPD)	Replacement	PPPY	NR	\$13,108	NR	\$19,999	NR	\$45,254
Liu, 2013 ^g	China	Community care	2019 (USD)	Opportunity	PPPY	NR	\$429	NR	\$8,297	NR	\$11,503
Yu, 2021 [64]	China	Community care or Institutional care	2017	NR	Mean PPPY	NR	Yuan 56,400	NR	Yuan 25,000	NR	Yuan 34,600
Kang, 2007 ^d	Korea	Community care & Institutional care	2013 (USD)	Opportunity	PPPY	NR	\$885	NR	\$1,680	NR	\$1,663
Nakanishi, 2020 [55]	Japan	Community care	2016	Opportunity	PPPM	NR	¥88,107	NR	¥116,488	¥175,845	NR
Nakanishi, 2021 [57]	Japan	Community care	2018	Opportunity	PP over 18 months	NR	¥1,871,647	NR	¥2,181,331	¥3,310,496	NR
Takechi, 2023 [60]	Japan	Community care	2019 (JPY)	Opportunity	PPPM	28,101	43,209	NR	NR	NR	NR

Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 USD	Opportunity	PPPY	NR	\$2,043	NR	\$2,699	NR	\$4,294
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 USD	Opportunity	PPPY	NR	\$4,734	NR	\$5,867	NR	\$8,208
Kongpakwattana, 2019 [65]	Thailand	Community & Institutional care	2017 USD	Replacement	PPPY, with supervision	NR	\$1,461	NR	\$1,939	NR	\$3,090
Liu, 2013 ^g	India	Community care	2019 (USD)	Opportunity	PPPY	NR	\$114	NR	\$3,523	NR	\$5,231
Rao & Bharath, 2013 ^g	India	Community care	2019 (USD)	Opportunity	PPPY	NR	\$461	NR	\$807	NR	\$1,153
Malapur, 2021 [67]	India	Community care	NR	Human Capital approach	PPPM	NR	NR	INR 4,441	NR	NR	INR 1,964
Aajami, 2019 [66]	Iran	NR	2018 USD	Human capital approach	PPPY (USD)	NR	\$0	NR	\$453	NR	\$521
Hux, 1998 ^a	Canada	Community care	2012	Opportunity	PPPY	NR	\$7,248	NR	\$14,220	NR	\$15,372
Hux, 1998 ^a	Canada	Institutional care	2012	Opportunity	PPPY	NR	NR	NR	\$1,200	\$1,488	\$3,276
Hux, 1998 ^a	Canada	Community & Institutional care	2012	Opportunity	PPPY	NR	\$7,248	NR	\$8,652	\$7,896	\$4,956
Herrmann, 2006 ^d	Canada	Community care	2013	NR	PPPY	NR	\$4,985	NR		NR	\$12,969
Max, 1995 ^a	US	Community care	2012	Opportunity & replacement	PPPY	NR	NR	NR	\$31,937	NR	\$36,389
Max, 1995a	US	Institutional care	2012	Opportunity & replacement	PPPY	NR	NR	NR	\$2,901	NR	\$5,728
Rice, 1993 ^a	US	Community care	2012	Opportunity & replacement	PPPY	NR	NR	NR	\$31,937	NR	\$36,389
Rice, 1993 ^a	US	Institutional care	2012	Opportunity & replacement	PPPY	NR	NR	NR	\$2,901	NR	\$5,728
Leon, 1999 ^a	US	Community care	2012	Replacement	PPPY	NR	\$9,384	NR	\$12,228	NR	\$14,868

Murman, 2002 ^b	US	NR	2013	Opportunity	PPPY	NR	\$15,809	NR	\$25,371	NR	\$34,568
Weimer, 2009 ^b	US	NR	2013	Opportunity	PPPY	NR	\$13,597	NR	\$39,290	NR	\$61,981
Gustavsson, 2011 ^c	US	Community care	2007	Opportunity	PPPM	NR	\$597	NR	\$787	NR	\$1,133
Gustavsson, 2011 ^c	US	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	\$353	NR	\$314
Gustavsson, 2011 ^c	US	Community care	2007	Opportunity	PPPM	NR	\$33	NR	\$38	NR	\$35
Gustavsson, 2011 ^c	US	Institutional care	2007	Opportunity	PPPM	NR	NR	NR	\$88	NR	\$66
Gustavsson, 2011 ^h	US	Community & Institutional care	2021	Opportunity	PPPY	NR	\$13,536	NR	\$27,201	NR	\$33,260
Rattinger, 2015 ^f	US	Community care	2012	Opportunity	Per day	\$15	\$39	NR	\$52	NR	\$107
Robinson, 2020 [75]	US	Community care	2017	Opportunity	PPPM	\$865	\$1,912	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	Opportunity	PPPM; baseline	\$718	\$1,953	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	Opportunity	PPPM; 6 months	\$720	\$1,655	NR	NR	NR	NR
Chandler, 2023b [78]	US	NR	2017	Opportunity	PPPM; 36 months	\$961	\$1,964	NR	NR	NR	NR
Michaud, 2017 [71]	US	NR	2015	Replacement	PPPY	\$548	\$5,813	\$21,497	\$32,463	NR	\$24,617
Monfared, 2023 [79]	US	Community care	2021	Opportunity	PPPM	NR	\$1,137	NR	\$1,051	NR	\$1,395
Monfared, 2023 [79]	US	Institutional care	2021	Opportunity	PPPM	NR	\$663	NR	\$485	NR	\$942
Monfared, 2023 [79]	US	Community care	2021	Replacement	PPPM	NR	\$198	NR	\$197	NR	\$197
Monfared, 2023 [79]	US	Institutional care	2021	Replacement	PPPM	NR	\$197	NR	\$204	NR	\$197
Monfared, 2023 [79]	US	Community care	2021	Opportunity	PPPM	NR	\$1,335	NR	\$1,248	NR	\$1,592

Monfared, 2023 [79]	US	Institutional care	2021	Opportunity	PPPM	NR	\$860	NR	\$689	NR	\$1,139
Monfared, 2024 [80]	US	Community & Institutional care	2023	Replacement	PPPM	\$841	\$1,290	NR	\$1,242	NR	\$730
Monfared, 2024 [80]	US	Community & Institutional care	2023	Opportunity	PPPM	\$1,751	\$1,393	NR	\$1,833	NR	\$1,516
Allegri, 2007 ^e	Argentina	Community & institutional care	2020 (PPPD)	Replacement	PPPY	NR	\$4,792	NR	\$5,281	NR	\$4,083
Ferretti, 2018 ^e	Brazil	NR	2020 (PPPD)	Replacement	PPPY	NR	\$12,116	NR	\$23,588	NR	\$13,199
Liu, 2013 ^g	Cuba	Community care	2019 (USD)	Opportunity	PPPY	NR	\$447	NR	\$9,934	NR	\$13,574
Liu, 2013 ^g	Dominican Republic	Community care	2019 (USD)	Opportunity	PPPY	NR	\$128	NR	\$3,792	NR	\$6,460
Liu, 2013 ^g	Peru	Community care	2019 (USD)	Opportunity	PPPY	NR	\$704	NR	\$8,449	NR	\$11,669
Liu, 2013 ^g	Venezuela	Community care	2019 (USD)	Opportunity	PPPY	NR	\$0	NR	\$1	NR	NA
Liu, 2013 ^g	Mexico	Community care	2019 (USD)	Opportunity	PPPY	NR	\$254	NR	\$5,706	NR	\$14,697

*Cost for one hour of informal caregiving

a data from Costa, 2013 [4]

b Data from Takizawa, 2014 [6]

c Data from Maresova, 2020 [13]

d Data from Schaller, 2015 [7]

e Data from Kenne-Malaha, 2023 [17]

f Data from Cantarero-Prieto, 2019 [11]

g Data from Mattap, 2022 [9]

h Data from Tay, 2024 [18]

Abbreviations: MCI=mild cognitive impairment; NR=not reported; PP=per person; PPPD=purchasing power parity dollars; PPPM=per person per month; PPPY=per person per year; UK=United Kingdom; US=United States

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