



## RESEARCH ARTICLE

# Adult Day Center Use among Older Mexican Americans with Dementia in California and Texas

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## ABSTRACT

**Background.** Dementia is one of the most common causes of disability and dependence in the world and is a frequent reason that older people require supportive living arrangements. Providing such arrangements on a broad scale will require a broad public dialogue and insights from social science, especially with respect to the neediest, who suffer from a profound gap in access to care. New and innovative social policy, in line with Recommendation #10 of the European Society of Medicine *Policy Framework Reducing the Burden of Neurodegenerative Diseases in Europe and Beyond*, is vital. The current study offers insights based on dementia care for Latinos in California and Texas, a population with a high incidence of the disease and low access to resources.

**Objective.** This study investigates how a growing number of Latino families use adult day care services. We focus on California and Texas, the two states with the largest Latino populations of Mexican origin with dual-eligible (Medicare and Medicaid) beneficiaries.

**Methods.** We employ the 2015 Hispanic Established Epidemiologic Studies of the Elderly to compare the socioeconomic characteristics of Mexican Americans 80 and over who are day care service users living with and without dementia in both states (n = 406). Logistic regressions are used to determine the likelihood of participation in adult day care programs in both states by insurance status.

**Results.** Compared to California, restrictive income eligibility requirements in Texas limit participation in adult day care despite a higher need for care. Multivariate analyses reveal that foreign-born dual-eligibles in Texas are particularly dependent on family, to provide dementia caregiving in comparison to the native born; they do not report using adult day health services.

**Conclusion.** The paper ends with a discussion of viable policy options for promoting equity in access to affordable and sustainable adult day health centers as well as other community-based long-term care services in Texas and California. A multi-faceted approach is necessary and must involve all levels of government, as well as private and charitable organizations.

**Keywords:** Alzheimer's Disease and Dementia, Adult Day Care, Medicare/Medicaid insurance, Mexican Americans, Health Equity.

## Introduction

As the population of 78 million baby boomers in the United States ages, the total number of people with dementia will inevitably rise. Nearly 7 million U.S. residents ages 65 or older had dementia in 2023 and this figure is expected to double by 2060 if current demographic trends continue<sup>1</sup>. These trends have serious consequences for the family, the community, and governmental agencies at all levels as nations struggle to adapt to the needs of a society while devoting adequate resources that foster economic development and full employment. Due to global shifts in women entering the workforce and the mobility of many households, informal support systems are smaller, more dispersed, and generally are less able to allocate the time and resources necessary to provide all the care an aging parent living with dementia might need than they once were. In the Americas, for example, in the United States, this change is affecting even the Latino communities that have historically been highly "familistic," the ideal which informs the structures, processes, and interactions of Latino culture<sup>2</sup>.

This study investigates the consequences of rapid population aging and its implications for minority groups, focusing on Latinos in two large states. California and Texas have similar demographic profiles but quite different political cultures, and a significant fraction of low resourced residents. This population suffers disproportionately from lifelong disadvantages in terms of education, occupation, asset accumulation, and retirement security. Consequently, they are at elevated risk of Alzheimer's disease. This crisis will disproportionately affect individuals with the fewest resources with which to manage the illness.

The United States does not guarantee publicly funded medical care to the entire population. However, those who contribute to Social Security receive Medicare at age 65. Medicare, however, covers only 80% of medical expenditures, nor does it pay for long-term care, aside from a short period of post-acute care. In the absence of supplemental

insurance (referred to as Medigap) even middle-class individuals and families can be seriously burdened. For the poorest older individuals long-term care can be paid for by Medicaid. The Medicaid program is a jointly federal state entitlement safety-net program that finances health and long-term care services for low-income populations. Federal and State law determines eligibility. As a result, the extent of coverage varies by each state, as does access to Medicaid services across states.

California and Texas also have a high proportion of dual eligible, a term that refers to recipients of both Medicare and Medicaid, commonly known as duals. Full Duals receive all the services offered, including physician, hospital, nursing home care, and community-based services, such as adult day care, and home health care. Partial duals, low-income Medicare beneficiaries who qualify for Medicaid, do not receive long-term care. Although they do receive coverage for doctor visits and hospitalization, they are responsible for their out-of-pocket expenses (e.g., co-payments and deductibles).

Older adult duals account for one-third of state Medicaid (a public health program for low-income persons) spending in the United States<sup>3</sup>. This is particularly salient because states have a great deal of discretion in how to structure their Medicaid programs. We employ the 2015 Hispanic Established Epidemiologic Studies of the Elderly (H-EPESE) to examine how socioeconomic characteristics and functional cognitive status predict use of ADCs in both states. The paper ends with a discussion of viable policy options for closing the gap in access to affordable and sustainable adult day care as well as other community-based long-term care services and supports.

## LONGER LIVES, GREATER DEMENTIA DEPENDENCY

For the growing population of older Latinos in the United States, of whom Mexican Americans are the largest subgroup, the future is particularly uncertain. Findings from a benchmark study of

Mexican Americans show that the population has longer lives than other racial/ethnic groups, especially among immigrants<sup>4,5</sup>. Examining the Mexican American population by gender and nativity shows that life expectancy at age 65 is highest for foreign-born Mexican-origin women. However, they will spend over 60% of their remaining years in a seriously physically impaired state while their male peers will spend about 50% of their remaining years in such a state<sup>4,5</sup>. These added years spent with disability are partly explained by lifetime exposure to physically demanding work<sup>6,7</sup>.

As a result of longer lives, there is a growing incidence of dementia in the Mexican-American population. Compared to non-Latino whites, Latinos are more likely to develop mild cognitive impairment and Alzheimer's disease<sup>8</sup>. Dementia affects 5% of Mexican Americans 60 and over<sup>9,10</sup> and 8.8%-12.2% of Latino groups 65 and older in the United States<sup>11,12</sup>. Estimates indicate that the approximately 200,000 cases of U.S. Latinos living with dementia in 2000 will have ballooned to 11.3 million in 2050<sup>13</sup>. Comparing the two states, age-adjusted death rates due to dementia are much higher in Texas than California.

In both states, an increased number of years characterized by poor health and dependency poses potentially serious economic and social problems for Latino groups given fragile social support, little wealth, and low levels of education, health insurance, and income<sup>2</sup>. In California, there are 1.4 million dementia caregivers which can contribute over \$44 million in unpaid care. In Texas, there are 1 million dementia caregivers who provide an economic contribution of \$24 million in unpaid care. As age and disabling health conditions force families to make decisions about long-term care, they may have limited options. Employed people cannot provide the level of care an incapacitated older family member requires, and in most U.S. Latino families all working-age family members have jobs<sup>14</sup>. Latino families also tend to lack the financial resources to pay for in-home care

or other community-based services<sup>15</sup>. Even when Medicaid would pay for nursing home care, Latinos, especially those of Mexican heritage, have traditionally been highly resistant to this option<sup>16,17</sup>. ADCs are thus potentially a vital solution for this population if they are affordable and accessible.

#### ADULT DAY CARE

Long-term care services and supports provide health or personal care needs for individuals unable to perform everyday activities on their own<sup>18</sup>. Settings range in the level of care depending on an individual's physical, mental, and social care needs. Although unpaid family caregivers such as spouses, extended family, and neighbors provide most dementia care<sup>19</sup>, increasingly long-term care is offered in third places such as ADCs<sup>20</sup>. Licensed adult day care in these settings offer services such as meals, exercise, social activities, personal care, and transportation from home. Depending on eligibility criteria, these services may be provided at no cost or for a fee. Adult day care can promote long-term health care equity for the neediest older adults.

Research shows that in most cases families provide extensive informal care for an individual with dementia, but the demands of this task can cause tremendous strain due to the nature and progression of the disease. As the cognitive abilities of older adults with dementia decrease, the loss of autonomy increases the reliance on caregivers for assistance in self-care and instrumental activities of daily living (IADLs) and with the management of medication<sup>21</sup>. Many families in this situation decide to utilize adult day care to help cope with these challenges. ADCs provide many support services without the steep cost of nursing homes<sup>22</sup> and allow care receivers to remain in the community (see Table 1). Advanced stages of dementia seriously undermine the capacity of caregivers and render alternative sources of respite necessary if they are to live in the community. Dementia care recipients are incapable of self-care and need 24/7 supervision, which creates challenges for Latino caregivers<sup>23</sup>. Of

all assistance options available, ADCs are often the most feasible sources of caregiver respite during daytime hours<sup>24</sup>.

A short-term respite care stay in an ADC is frequently utilized for sporadic support orto promote healthful aging for a parent after hospital discharge or because they cannot be safely left alone. As Table 1 shows, an ADC program provides a range of community-based long-term care services that can include transportation, social activities (e.g., pet therapy, gardening) plus assistance with eating, taking medicines, toileting, and/or walking, mental stimulation, exercise programs, and health monitoring (e.g., blood pressure and food or liquid intake); as well as nursing and medication administration. Caregivers receive respite support consisting of education and counseling as needs change for assistance. Adult day care participants receive care for 10 hours a day in a supervised environment.

All 50 states and Washington, DC offer assistance for adult day care in one form or another through their Medicaid programs<sup>25</sup>. A study by MetLife Mature Market Institute and The Ohio State University surveyed over 47,000 people receiving services at 557 ADCs. Findings indicated that 46% went to the center every weekday and 80% attended for a full day when they were present<sup>26</sup>. This enables family caregivers to continue supporting a care recipient while also holding a job. Most ADCs in the United States are private nonprofits operating in 1,000- 5,000 square foot spaces<sup>25</sup>, and exceptions, for-profit enterprises, have dementia patients as a smaller portion of their care recipient populations than nonprofit facilities<sup>27</sup>. According to the biennial National Study of Long-Term Care Providers, 28% of people receiving services at ADCs have Alzheimer's disease and other dementias<sup>28</sup>.

**Table 1. Adult Day Center Services**

<p><b>Assistance with eating, taking medicines, toileting, and/or walking.</b>                  Counseling                  Educational programs or mental stimulation                  Exercise programs                  Health monitoring (e.g., blood pressure, food, or liquid intake)                  Podiatry care                  Preparation of meals and snacks                  Social activities                  Therapy (occupational, physical, speech, etc.)                  Transportation services</p> <p><b>Social activities in ADCs can include:</b>                  Crafts                  Cooking                  Exercise                  Field trips                  Games                  Gardening                  Holiday parties                  Music therapy                  Pet therapy                  Relaxation techniques</p> <p>Source: <sup>61,62</sup></p>
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Medicaid's Coverage of Home and Community-Based Care began with 1965 amendments to Title 19 of the Social Security Act. Home health care services were one of the optional services under state Medicaid plans. Amendments instituted in 1968 and effective in 1970 required states to provide home health care services to persons entitled to skilled nursing facility care under state Medicaid plans; 1981 amendments created the Medicaid waiver option for home and community-based services under Section 1915(c). Today, 15 state Medicaid programs offer ADCs to

needy participants with few financial resources who need skilled nursing care<sup>29</sup>. These programs are funded by a combination of federal and state dollars and are administered at the state level but subject to federal government standards<sup>30</sup>.

Each state's Secretary of DHHS may waive certain Medicaid state plan requirements to allow states to cover a wide range of home and community-based services to persons who otherwise meet the state's eligibility requirements for institutional care. The downside to State Plan Medicaid is that very often

the monthly income limit for eligibility is considerably lower than the limit for Medicaid community-based service waivers. To a lesser extent "regular Medicaid" or Medicaid State Plans offer adult day care as a benefit.

## OPTIONS IN CALIFORNIA AND TEXAS

### ADC Services

Both California and Texas have statewide Medicaid (Medi-Cal in California) adult day care services included in a state Medicaid plan. Community-based waiver programs exist as an alternative to nursing homes in both states. A requirement of the waiver program is that states can choose how many waivers they would like and must demonstrate that the waiver service is cost neutral. What follows is a discussion of state differences in the implementation of adult day care services in terms of limits in eligibility, specific geographic areas, and funding models.

In California, adult day care is offered under several programs. First, through the Medi-Cal funded, California Bridge to Health Care Reform waiver known as Community-Based Adult Services (CBAS), older adults with dementia receive services in the community at licensed ADCs as well as at other specialized care centers<sup>31</sup>. Under the 1115 demonstration waiver program, states can experiment with community-based options for individuals 18 and older who are eligible for nursing homes. The program's chief aim is reducing placement of medically needy persons in nursing homes<sup>32</sup>. Under the CBAS program, Medicaid capitated (pre-paid) private, managed care organizations at designated centers around the state provide care, including adult day care services.<sup>33</sup> The California Department of Aging maintains contact information on approximately 295 licensed ADCs throughout the state<sup>32</sup>.

A second program is the Medi-Cal Multipurpose Senior Services Program 1915(c) waiver, which is designed to help California adults 65 and older who are at risk of nursing facility placement to continue living in their homes or elsewhere in the community<sup>34</sup>. Enrollment is capped at 11,370<sup>35</sup>.

Based on fee-for-service, this program achieves this objective by arranging assistance and managing a broad set of services, including adult day care, home modifications, and care management services. Participation eligibility depends on county of residents; 46 of the state's 58 counties participate, although some counties have waitlists<sup>36</sup>.

In Texas, Medicaid Day Activity and Health Services (DAHS, formerly known as Adult Day Care Centers) is an entitlement program for Supplemental Security beneficiaries. Services are guaranteed for medically eligible Medicaid participants 18 years and over and DAHS services residents statewide. In 45 [out of 245] Texas counties<sup>37</sup>, waiting "interest" lists exist partly because many adult day care centers operate at full capacity<sup>38</sup>. Adult day services are also available statewide under the State of Texas Access Reform Plus (STAR+PLUS HCBS) program, an 1115 transformation waiver combining acute care with long-term services and supports (LTSS)<sup>39</sup>. Low-income Medicare beneficiaries with partial dual eligibility do not qualify for the full array of Medicaid medical benefits from their state, including this LTSS program<sup>40</sup>.

Both California and Texas provide adult day care services through the Program of All-Inclusive Care for the Elderly (PACE), a federally funded, state managed care program, although California's PACE program is far more expansive than the Texas program. PACE is for people 55 or older who participate simultaneously in Medicare and Medicaid who are eligible for nursing home care. It allows them to receive all their benefits through a single organization rather than navigating separate Medicare and Medicaid coverage. PACE uses a comprehensive care approach, providing an array of services that costs less than comparable nursing home care<sup>41</sup>. In addition to adult day activity services, the program provides other health-related services, including inpatient and outpatient medical care, specialty services like dentistry and podiatry, social services, in-home care, meals, and



transportation. California PACE has over 20,000 participants in 26 counties<sup>42</sup>. Texas PACE operates in three cities: Amarillo, El Paso, and Lubbock<sup>43</sup>.

Our previous research on licensed Medicaid adult day centers in Texas and California shows place-based disparities among older adults living along the Texas-Mexico border<sup>44</sup>. The Rio Grande Valley, a metropolitan area located along the U.S./Mexico border on the southernmost tip of Texas, is home to a 98.4 percent Hispanic population and one of the poorest counties in the United States<sup>45</sup>. The ADC landscape is vastly different along the California-Mexico border, as a small fraction of the 257 centers are located along the border region<sup>46</sup>. ADCs located in Southern California account for almost 80% of those in existence, and among these 60% are in Los Angeles County, 21% in Orange, 6% in Riverside, and 6% in San Bernadina. We also estimated household income by county. In Texas, all 20 border counties fell below statewide median household income. California median income is far higher than in Texas, which may explain border differences in the allocation of Medicaid community-based long-term care services<sup>44</sup>. The dual-eligible population—the sickest, the frailest, and the costliest group—is associated with stark disparities in border aging and access to care<sup>47</sup>.

The results also suggest a border paradox in which supply of adult day care may exceed the demand. Unlike California, Texas has a state Medicaid plan that entitles participants to adult day care<sup>48</sup>. A higher proportion of the poor reside in Texas and particularly along the Texas/Mexico border and qualify for full Medicaid benefits despite restrictive participation rules based on income and assets eligibility<sup>45</sup>. Texas also has an extensive Medicaid community-based managed care waiver program, which may increase participation in ADCs<sup>40</sup>. At the same time, Texas partial "duals" (43%) have no long-term care option—either in the community or in a nursing home.

## Material and methods

To investigate state differences in Medicaid-

funded dementia ADC use, we employ the 2016 Hispanic- EPESE, a representative sample of community-dwelling of the Mexican-origin population in the United States. Our objective is to compare the socioeconomic characteristics of caregivers of elderly parents with dementia in two states, Texas and California. The Hispanic EPESE provides data on risk factors (age, gender, income, marital status, insurance coverage, and place of residence for mortality and morbidity) in older Mexican Americans to contrast how these factors operate differently than in non-Hispanic whites, African Americans, and other major ethnic groups. Wave 9 is based on the original cohort followed every 2 years since 1993-1994 in five southwestern states: Arizona, California, Colorado, New Mexico, and Texas<sup>49</sup> and includes the oldest cohort at highest risk of living with dementia. The large sample of Mexican Americans 80 and older ( $n = 406$ ) allows analyses to gauge the extent of state-based disparities associated with ADC use across states.

## MEASURES

*Dependent Variable.* We measure cognitive impairment and likely independent variable section using the Mini Mental Status Examination (MMSE), a brief, standardized method used to grade cognitive status. The MMSE assesses memory and reasoning abilities and encompasses indicators of orientation, attention, immediate and short-term memory recall, language, and the ability to follow simple verbal and written commands. The Spanish-language version, which was used in the household interview for those who preferred it to the English-language version, includes formal translation, back-translation, and agreement on the final content<sup>50</sup>. Prior research finds that overall scores on the English and Spanish language versions are similar<sup>51</sup>. The MMSE ranges from 0 to 30<sup>52</sup>, with a score of 24 or greater considered "normal" cognition and with a score less than 20 indicating "likely dementia." In Wave 9, 103 participants had missing information on the MMSE from a proxy or proxy-assisted interview. In this study, we classified a participant as having dementia if they had an MMSE score of less than 18, a report of Alzheimer's

disease, or a proxy report of dementia and the need for assistance with at least one IADL. If a respondent did not complete the MMSE and relied on a proxy due to being mentally or cognitively incapacitated by Alzheimer's disease or dementia, they were assigned a "0" on the MMSE in the H-EPESE.

Based on an exhaustive review of MMSE validity and reliability and these latter thresholds<sup>53</sup>, we categorize the sample into two groups: *Likely dementia* meaning cognitive impairment measured under 18 with or without a need for assistance with an IADL or MMSE score under 18 with at least one IADL disability, a report of Alzheimer's disease, or proxy report of dementia vs. Not (the reference category as normal, no dementia).

*Independent variables.* Background characteristics of caregiver recipient are based on self-reports of *Age* (in years), *Gender* (1 = female; 0 = otherwise); *Nativity* (1 = Mexico born; 0 = U.S. born); *Marital Status* (1 = widowed, separated, or divorced, 0 = married); *Number of Children* (ranged from 0 to 15); *Medicaid Recipient* (dual eligible = 1; 0 = no); *Coresidence* (live with caregiver = 1, 0 otherwise); and *Caregiver Type* (1 = adult child; 0 = other).

## ANALYSIS

The analysis begins with a description of the demographic profile of care recipients stratified by California and Texas (Table 2). These states represent the highest fraction of Mexican Americans, a highly vulnerable population. Then, we present logistic regressions of caregiver recipient use of adult day care services by dementia status, state, and sociodemographic factors (Table 3). In the final step, we estimate the demographic profile of ADC users in both states (Table 4). All analyses were performed using STATA18.

## Results

Table 2 presents the demographic characteristics of older Mexican Americans residing in California and Texas. Overall, 12% of older adults residing in Texas used an ADC in the past year compared with

9% of older adults residing in California. There are significantly more older adults with likely dementia in the H-EPESE living in Texas than in California (Pearson  $\chi^2(1) = 10.2571$  Pr = 0.001). The mean age of the sample was 90 years old in both states and the majority are women. There are significant differences in nativity status with more U.S.-born older adults residing in Texas (Pearson  $\chi^2(1) = 15.9152$ ; Pr = 0.001). While more Mexican Americans residing in Texas compared to California are unmarried and dual eligible, these differences are not statistically significant. The mean number of children is five and most older Mexican Americans rely on an adult child for most of their care needs and a little over half reside with their caregiver.

## MULTIVARIATE ANALYSIS

To evaluate whether the best predictors of the likelihood of adult day care utilization differ by dual eligibility, we fit logistic regression models separately for California and Texas. The model also accounts for dementia status and nativity and other key covariates identified in Table 3. For older Mexican Americans residing in Texas, there were significant differences in ADC usage with significantly fewer women (vs. men) and U.S.-born adults (vs. Mexico-born) utilizing these services. Additionally, married older adults were less likely and dual-eligible older adults were more likely to use an ADC though these results were only marginally significant ( $p = .06$ ,  $p = .07$ ).

For older adults residing in California, number of kids was statistically significant with ADC usage with each additional child associated with 29% lower odds of using ADCs.

Table 2. Sample Characteristics

	Texas (N=259)	California (N=147)
Adult Day Center Use	12%	9%
Likely Dementia	42%	27%**
Age (M(SD))	90(4)	90(3)
Female	68%	62%
U.S.-Born	49%	38%***
Married	27%	35%
Dual-Eligible (Medicaid & Medicare)	46%	37%
Number of Kids (M(SD))	5(3)	5(3)
Adult Child Caregiver	64%	59%
Lives with Caregiver	49%	56%

Notes: \*\*p<.01; \*\*\*p<.001

Table 3. Logistic Regression of Adult Day Center Utilization by State

	Texas (N=259)	California (N=147)
Dual-Eligible	2.25 (0.93-5.47)	0.82 (0.21-3.10)
Likely Dementia	0.91 (0.38-2.19)	0.91 (0.20-4.21)
Age	0.99 (0.88-1.10)	0.85 (0.68-1.05)
Female	0.32* (0.13-0.77)	1.14 (0.26-4.97)
U.S.-Born	0.23**(0.09-0.59)	1.86 (0.54-6.39)
Married	0.30 (0.09-1.03)	0.64 (0.16-2.59)
Number of Kids	0.94 (0.81-1.10)	0.71* (0.52-0.97)
Adult Child Caregiver	0.80 (0.32-2.02)	1.44 (0.35-5.90)
Lives with Caregiver	1.74 (0.71-4.25)	0.65 (0.17-2.40)
Constant	1.71 (0.001-35004)	1234799 (0.002-0.0001)

Notes: \* p<.05; \*\*p<.01; \*\*\*p<.001; Odds ratios (95% CI)

Table 4 provides descriptive statistics for ADC users in Texas and California. From these results, we see that half of the older Mexican American adults residing in Texas who use ADCs have likely dementia compared with 23% of older adults who use ADCs residing in California. ADC users are

older than the overall sample with a mean age of 90. More ADC users in California are women, U.S. born, and currently married than in Texas. There are significant differences among ADC users with more duals using ADCs in Texas (46%) compared with California (31%).

Table 4. Descriptive Statistics for Adult Day Use in Texas and California

	Texas (N=30)	California (N=13)
Likely Dementia	50%	23%
Age (M(SD))	91(4)	90(3)
Female	51%	69%
U.S.-Born	27%	54%
Married	27%	31%
Dual-Eligible (Medicaid & Medicare)	46%	31%*
Number of Kids (M(SD))	5(3)	5(3)
Adult Child Caregiver	63%	59%
Lives with Caregiver	57%	56%

Notes: \*\*p<.05



Figure 1 presents cognitive status and health characteristics of ADC users. Low-income Medicare beneficiaries who qualify for Mdicaf (Medi-Cal in California) versus traditional coverage

are known as dual eligible). The data reveal that more older adults residing in Texas, especially dual eligible, utilize ADCs than older adults residing in California.

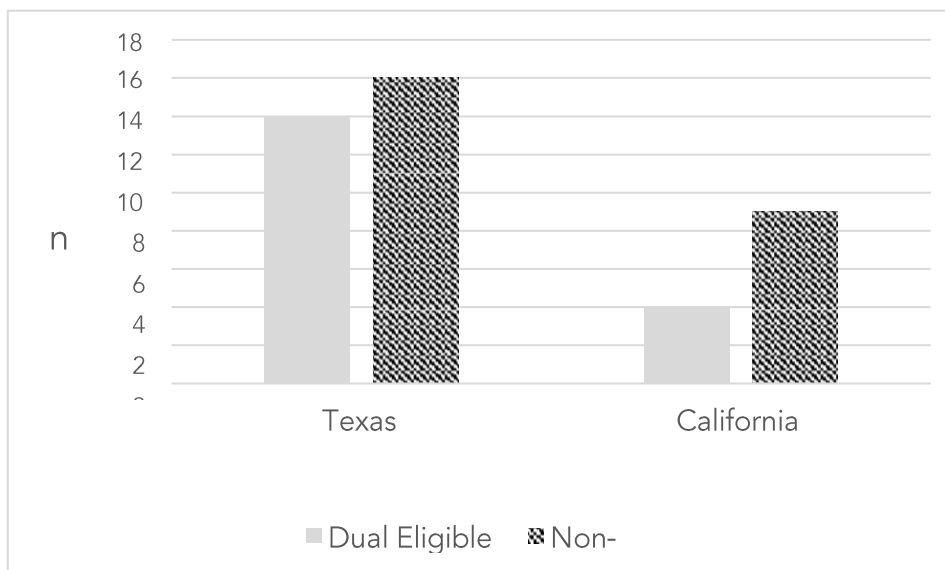


Figure 1. Dual status of ADC Usage by State

## Discussion

Access to adult day services and other community-based long-term care services will become increasingly important in public discourse as the populations of both California and Texas rapidly age. The growing number of individuals living with dementia magnifies that need. All states offer Medicaid benefits at some level to older adults who are dual eligible, but states pursue very different routes depending on political culture, population trends, and the imperative for cost containment. This paper highlights significant differences between these two states. The results provide insights into the structural circumstances, giving rise to greater ADC service use. Particularly, it reveals the role of smaller family size in ADC usage in California and the role of gender and migration history in ADC usage in Texas.

As was briefly noted at the beginning of this article, California and Texas are rapidly aging and resemble each other in terms of population characteristics including race, Hispanic ethnicity, immigration, and geographic variation, and rural areas. The U.S. Census Bureau estimated a total of 55 million older Americans in 2020 with California and Texas making up the lion's share of the oldest

populations 65 and over in the Southwestern United States, 6.2 million in California and 3.9 million in Texas. Florida ranks second<sup>54</sup>. Both states are becoming Latinized. In 2020, California and Texas had the highest number of older Hispanics, respectively, as well as Mexican immigrants of any U.S. state or the District of Columbia<sup>55</sup>. California and Texas lead the country in rural areas and agricultural industry, which is a major economic engine. California's technology sector is a major source of revenue. These population aging trends signal the need for an expanded role of federal and state support at all levels.

Politically, Texas has no state income tax and has a limit on social spending in its constitution. California does not have limits. Texas expects citizens to be self-sufficient. From this viewpoint, Texans take responsibility to take care of themselves and their family, and do not turn to the state for assistance. Texas lawmakers and public officials see a higher cost for social services, possible labor shortages, and higher costs for pensions, and health care as probable outcomes of having a larger older population. In 2023, the 88<sup>th</sup> Texas state legislature passed legislation to better prepare aging Texas. The bill created an

Interagency Aging Services Coordinating Council (IASCC) to develop a five-year strategic statewide approach for implementing aging programs and services<sup>56</sup>.

The 2024-2029 IASCC Report is expected to develop a strategic plan for meeting the need for aging services, an updated inventory of state-funded interagency aging programs and services, and ways of fostering collaboration for the effective expenditure of available federal and state money for interagency aging services in this state. All this strategic planning for the next five years requires a deeper understanding of the future growth in the aging of the Hispanic population, which will occur at a time when fiscal strains on the state and municipal budgets will be increasing. Older Texans with few resources will place new demands on publicly funded health and long-term care programs, as well as other social service services. The demand for programs like adult day care including DAHS will inevitably increase as the number of older individuals with dementia grows. Caregivers will be forced to find multiple ways of dealing with the burden and government will be required to develop programs that support their efforts.

Under California's Master Plan for Aging (MPA), a 10-year blueprint to prepare the state for an aging population, a 2023-24 report cited major progress toward 132 initiatives that were the focus of the first two years of MPA implementation in 2022, including achievements in Community Care Expansion, and have awarded adequate funding of projects for dementia care awareness<sup>57</sup>. The Department of Health Care Services (DHCS) launched the nation's first Dementia Care Aware program. Through this \$23 million investment, DHCS, in partnership with UC San Francisco, is leading a statewide program for primary care providers, including trainings, tools, and resources needed to administer cognitive health assessments in a culturally responsive manner and determine the appropriate next steps for patients. More than 660 beds or units will be created with these funds.

California also launched the MPA Initiatives Tracker, an interactive website that provides on-demand public access to initiative progress updates. The state's MPA recognizes that the next generation of older Californians will be significantly more diverse, will live longer, and will frequently face challenges in adaptation to a new culture that can be accompanied by health, social, and economic disparities that must be addressed.

In previous work, Angel and colleagues found significant differences in benefits by state. California had more full duals than partial duals<sup>47</sup>. This pattern persists. In 2021, 98% of dual Medicare and Medicaid recipients were eligible for full benefits in California compared to 48% in Texas<sup>3</sup>. In California, Hispanic dual eligibles are also more likely than in Texas to be full beneficiaries than partials<sup>58</sup>. California's program provides all Medi-Cal services to individuals with no share of cost, including acute care, transportation, therapy, care management, and long-term nursing<sup>32</sup>. In the current study, our multivariate analyses reveal that Mexico-born dual recipients in Texas are particularly dependent on family and informal networks to provide dementia care compared to U.S.-born dual recipients. They do not report using adult day health services to the same degree. These findings suggest that while ADCs are a valuable resource for Mexican Americans, administrative barriers may hinder use, increasing family caregiver burden that is often reported when Latino caregivers have limited or no family support<sup>59</sup>. The majority of caregivers are women, and family caregiving responsibilities are frequently cited as the main reason of exiting the workforce<sup>60</sup>.

What is more, addressing the impediments to support family caregivers will require strengthening the Caregiver Respite Program (CRP), which allocates funds to support states, like California and Texas<sup>61</sup>. The CRP program trains caregivers to provide self-care, wellness, and relaxation therapies. Access to these interventions is available at home, in adult day care centers, and

overnight residential facilities and increasing outreach efforts and awareness of them is essential. Respite services offered at adult day centers are a critical source of necessary information to lessen burden on all family members, including keeping women in the workforce<sup>62</sup>.

Finally, both states use federally funded Medicaid/Medi-Cal waiver programs. Texas relies more on managed care organizations (MCOs) and statewide implementation of these programs to contain costs of dual eligibles. California uses a combination of federal, state, and local resources to address the diverse needs of the aging population, focusing more on specialized programs and federal funding to provide services. A question remains as to whether adult day care and community-long term care in a MCO model are cost-effective and equitable. Additionally, the COVID-19 global pandemic had a significant effect on older Mexican Americans living in Texas and California, which may have magnified disparities in both dementia and access to care. In response to these critical concerns, both of these issue merit attention in future research.

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None declared.

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