

Value of Senior Housing 2025 Research Portfolio

Care for Older Adults with Neurodegenerative Disease Value of Longer Stays in Senior Housing

September 2025

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Care for Older Adults with Neurodegenerative Disease

State Level Results



NORC examined state-level differences in health care for senior housing residents with NDD, compared to the national average

The state-level analysis follows the same methodology as the national level results—but focuses solely on senior housing residents, rather than a non-congregate or nursing home comparison group

Overall Study Population Criteria

- Traditional Medicare (TM) Fee-for-Service (FFS) and Medicare Advantage (MA) beneficiaries
- Continuously enrolled in either FFS or MA for 12 months during calendar year 2022
- Must reside in an Assisted Living or Memory Care community included in the NIC MAP data as of January 1, 2022¹
- 65+ years old as of January 1, 2022
- Alive as of January 1, 2023

Analytic Approach

NORC analyzed Medicare claims and encounter data to compare outcomes and costs among assisted living and memory care residents with neurodegenerative diseases (NDD)—including Alzheimer's and other dementias—by state, compared to the national average of the study population.

Results provide a high-level summary of utilization and outcomes data. Statistical testing was conducted to assess significant differences.

Findings do not adjust for state-specific factors such as the regulatory environment, availability of senior housing communities and healthcare services, and other contextual differences that may influence utilization and outcomes.

The state level analysis includes key measures from the national study of senior housing residents with NDD

NORC evaluated health care utilization, outcomes, and cost among senior housing residents with NDD

Primary and Supportive Care

Proportion of residents with at least one:

- Primary care visit
- Neurologist visit
- Mental health visit
- Physical therapy visit
- Clinical social worker visit
- Home health care visit
- Antipsychotic prescription

Acute Care

- Rate of emergency department (ED) visits per 1,000 residents
- Rate of acute care stays per 1,000 residents
- Rate of Skilled Nursing Facility (SNF) stays (limited to those covered by Medicare) per 1,000 residents¹

Cost of Care*

- Average total Medicare FFS costs
- Resident out-of-pocket (OOP) costs

Outcomes

Healthy days at home**

¹ Our research assessed applicable SNF Part A claims, which includes a fixed room and board component of the per member per diem rate. This component, alongside the nursing and therapy components is the "non-case-mix (room & board)" which is part of normal SNF PPS Market Basket.

^{*} Cost analysis is limited to senior housing residents enrolled in FFS

^{** &}quot;Healthy days at home" is defined as the total number of days in the measurement year minus days spent in inpatient hospital stays, emergency department visits, skilled nursing facilities.

The state-level analysis includes results from 43 states and DC; most states include results for both FFS and MA senior housing residents

State	FFS	MA
Alabama		✓
Alaska		
Arizona	✓	✓
Arkansas	✓	✓
California	✓	✓
Colorado	✓	✓
Connecticut	✓	✓
Delaware	✓	
District of Columbia (DC)	✓	
Florida	✓	✓
Georgia	✓	✓
Hawaii	✓	✓
Idaho	✓	✓
Illinois	✓	✓
Indiana	✓	✓
lowa	\checkmark	✓
Kansas	✓	✓
Kentucky	✓	✓
Louisiana	✓	✓
Maine	✓	✓
Maryland	✓	✓
Massachusetts	✓	✓
Michigan	✓	✓
Minnesota	✓	✓
Mississippi	✓	
Missouri	\checkmark	✓

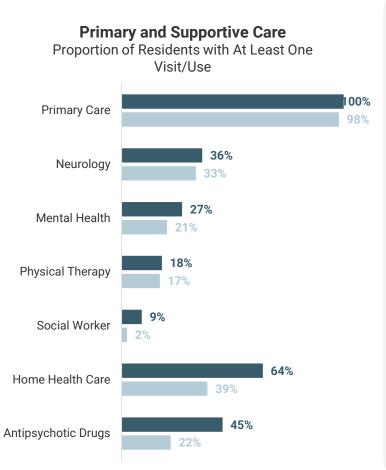
State	FFS	MA
Montana		
Nebraska	✓	✓
Nevada	✓	✓
New Hampshire	✓	✓
New Jersey	✓	✓
New Mexico	✓	✓
New York	✓	✓
North Carolina	✓	✓
North Dakota		
Ohio	✓	✓
Oklahoma	✓	✓
Oregon	✓	✓
Pennsylvania	✓	✓
Rhode Island	✓	✓
South Carolina	✓	✓
South Dakota		
Tennessee	✓	✓
Texas	✓	✓
Utah	✓	✓
Vermont		
Virginia	✓	✓
Washington	✓	✓
West Virginia		
Wisconsin	✓	✓
Wyoming		

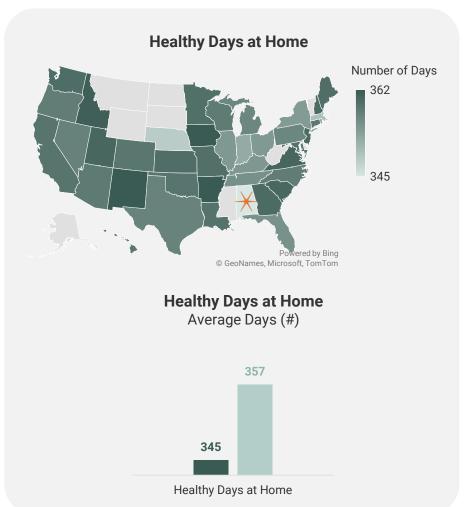


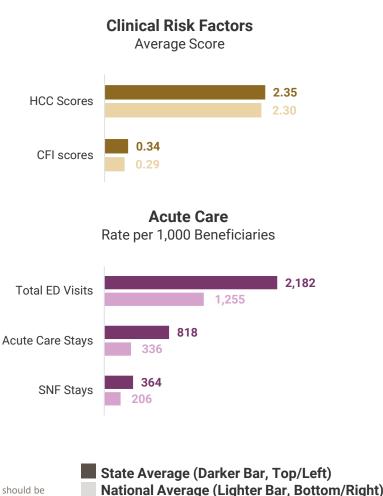
State-level analysis include states with at least 11 senior housing residents who resided in Assisted Living or Memory Care communities and had continuous (12-month) coverage in either Traditional Medicare Fee-for-Service (FFS) or Medicare Advantage (MA)

In **Alabama**, MA-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



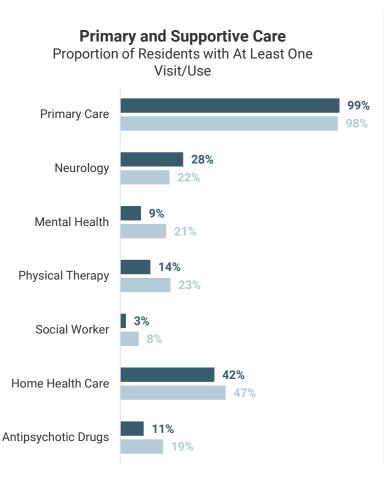


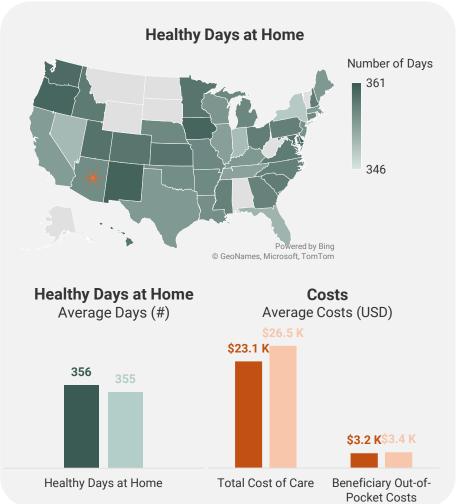


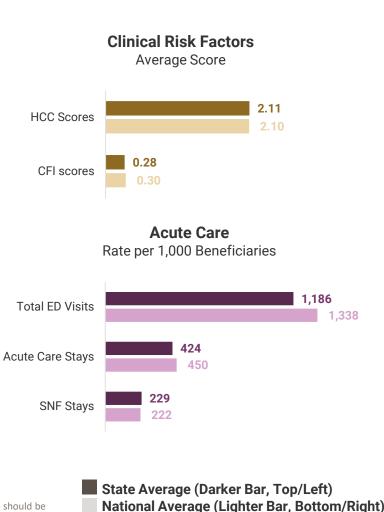


In **Arizona**, FFS-covered senior housing residents with NDD more frequently had at least one neurology visit than the national average



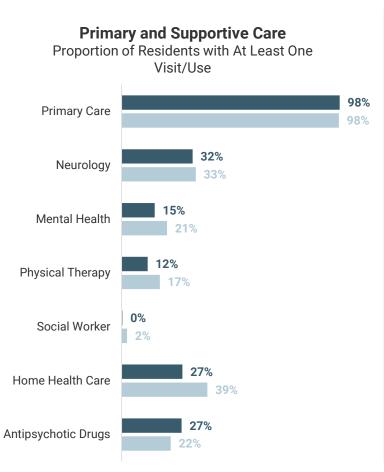


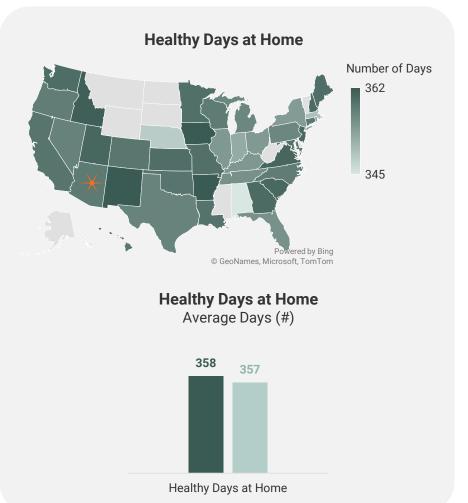


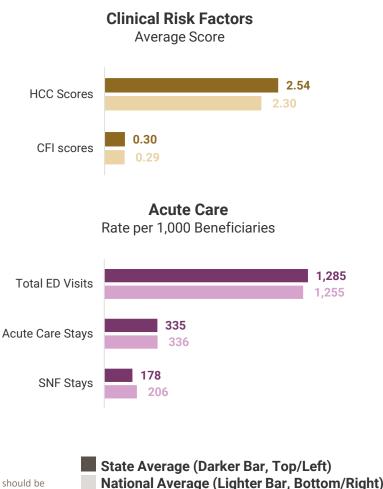


In **Arizona**, MA-covered senior housing residents less frequently had at least one mental health visit than the national average



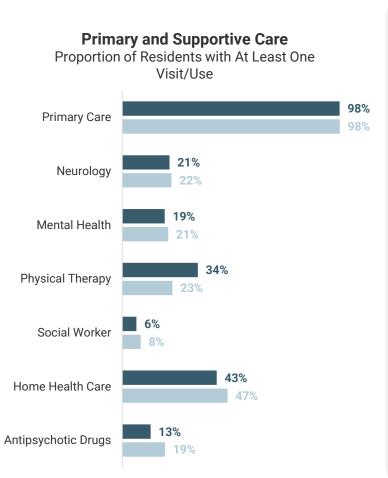


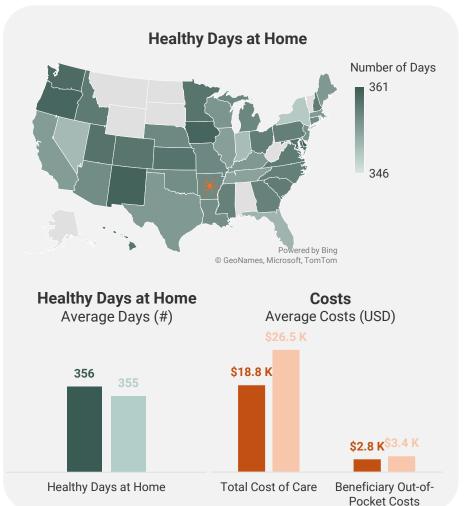


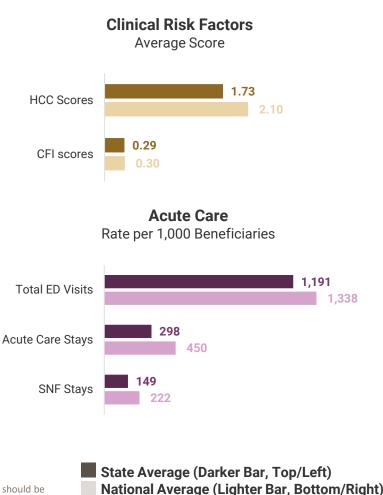


In **Arkansas**, FFS-covered senior housing residents with NDD have lower clinical complexity (HCC Scores) than the national average



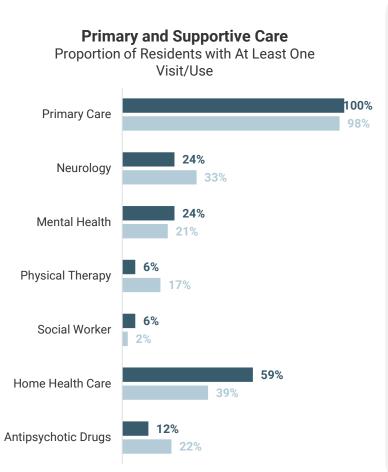


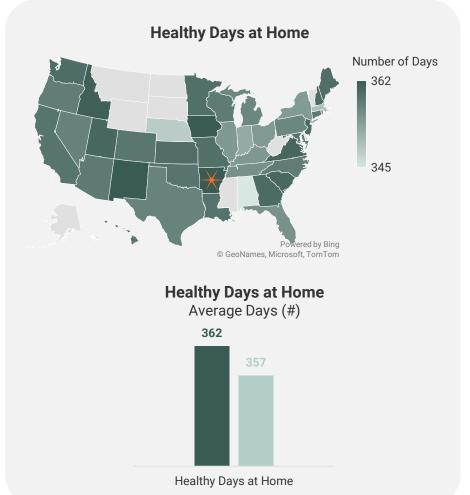


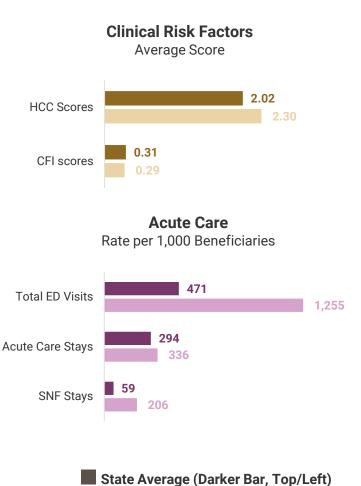


In **Arkansas**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



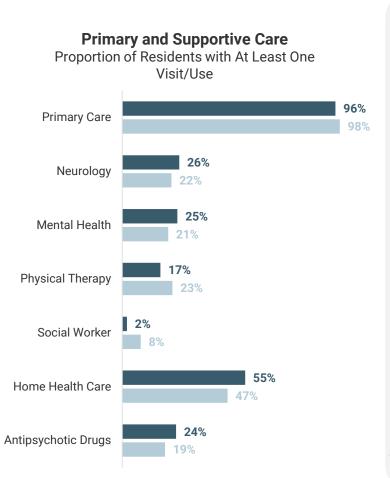


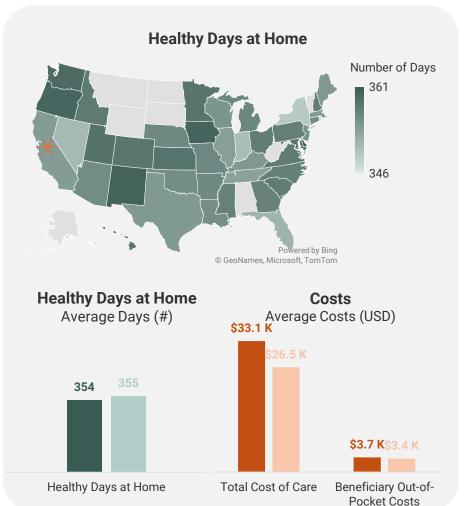


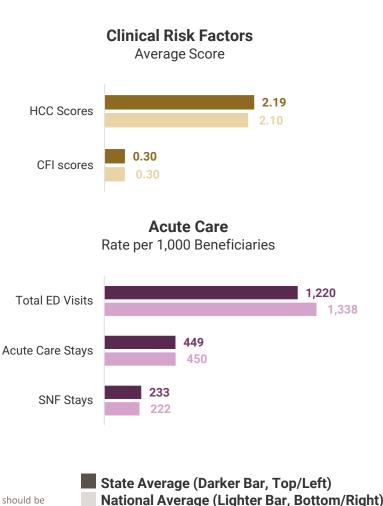


In **California**, FFS-covered senior housing residents with NDD had lower rates of ED visits than the national average





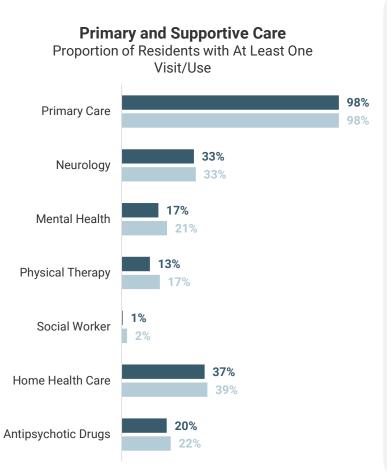


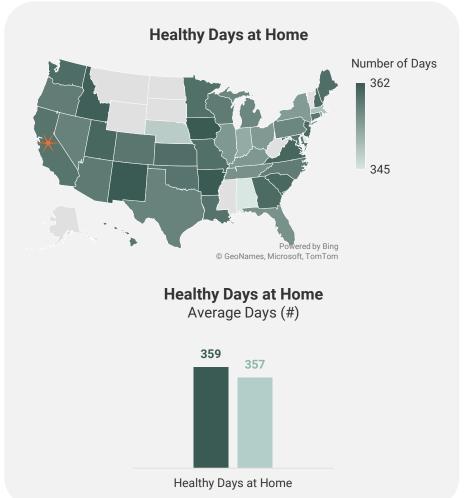


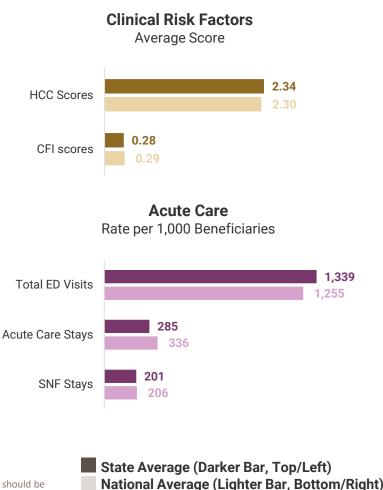


In **California**, MA-covered senior housing residents with NDD had lower rates of acute care stays than the national average



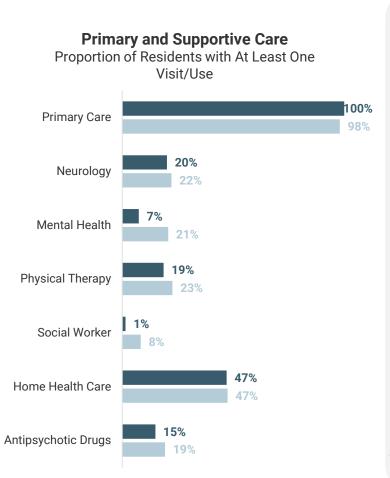


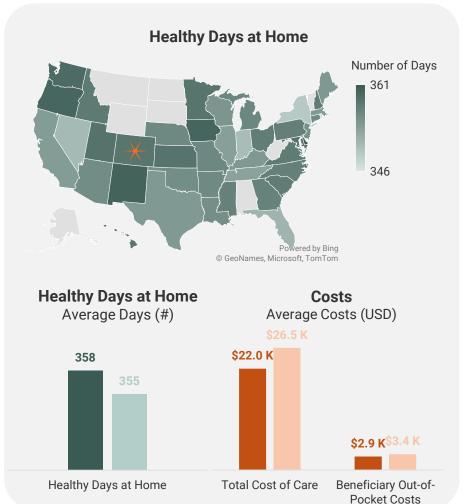


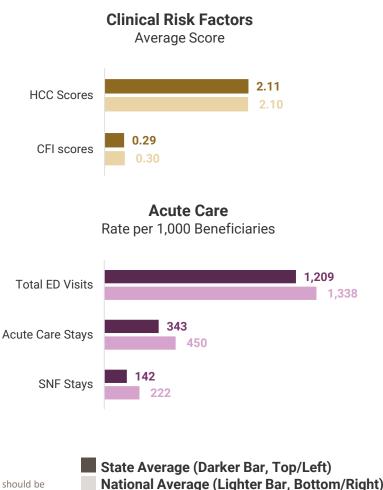


In **Colorado**, FFS-covered senior housing residents with NDD had lower rates of SNF stays than the national average



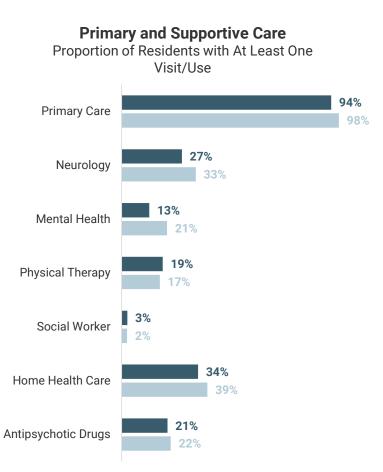


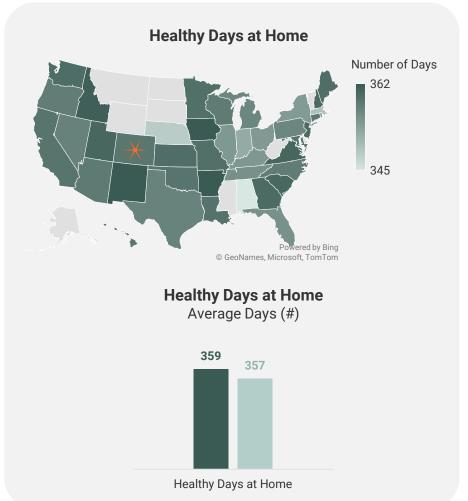


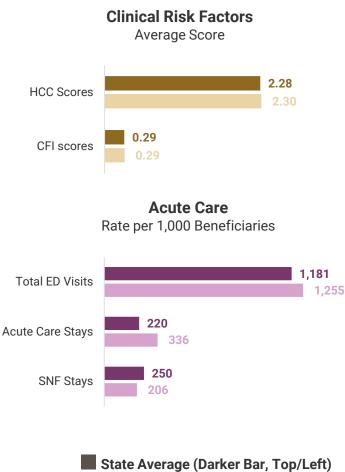


In **Colorado**, MA-covered senior housing residents with NDD had lower rates of acute care stays than the national average



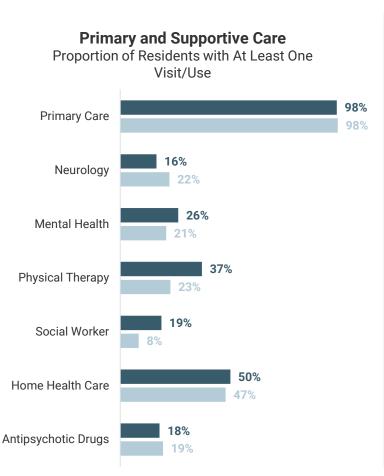


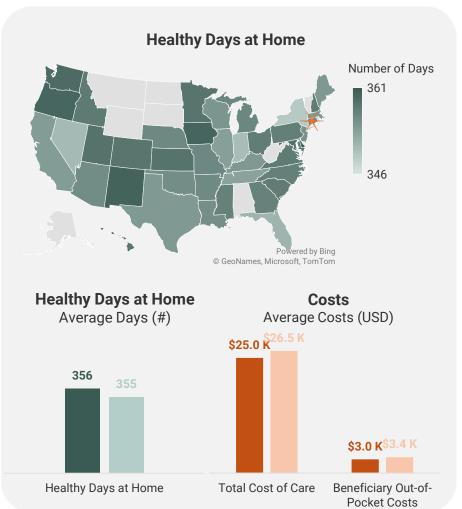


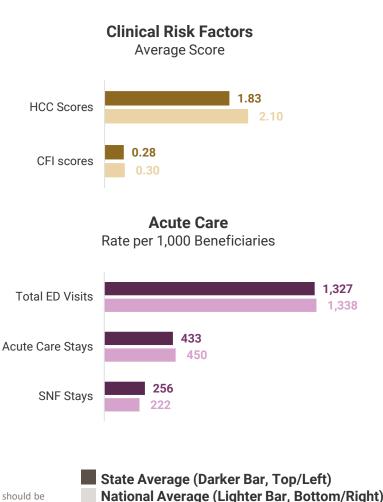


In **Connecticut**, FFS-covered senior housing residents with NDD more frequently had at least one mental health visit than the national average



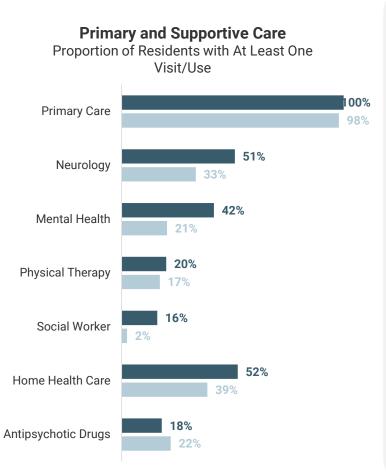


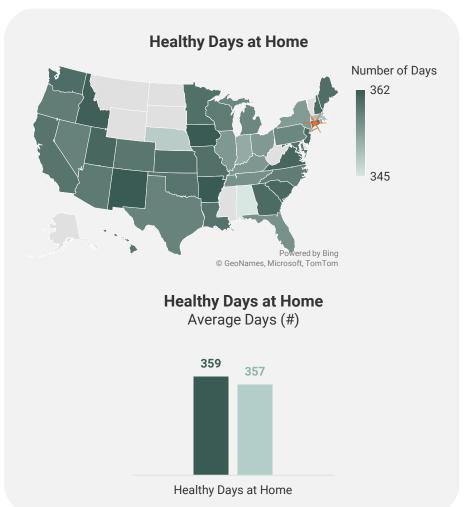


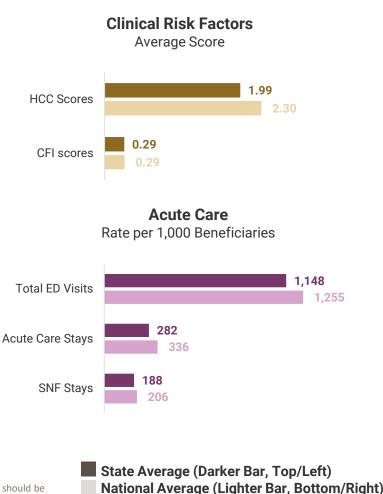


In **Connecticut**, MA-covered senior housing residents with NDD more frequently had at least one neurology visit than the national average



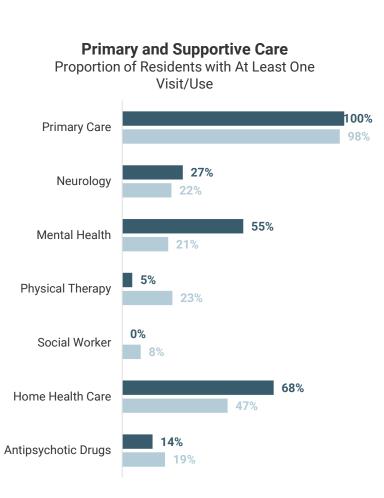


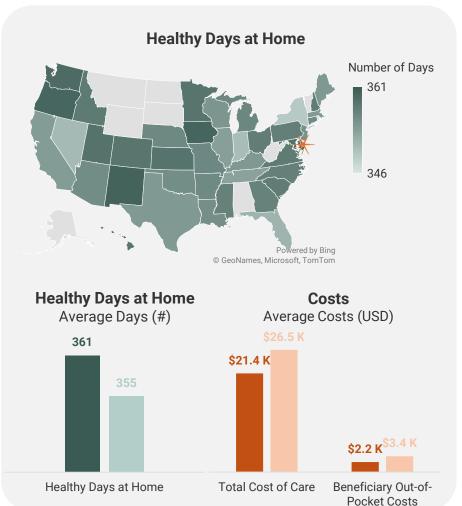


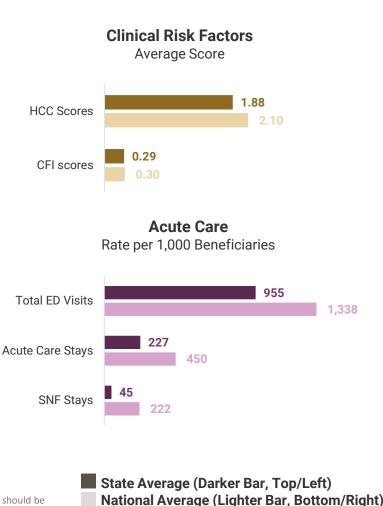


In **Delaware**, FFS-covered senior housing residents with NDD had lower rates of SNF stays than the national average



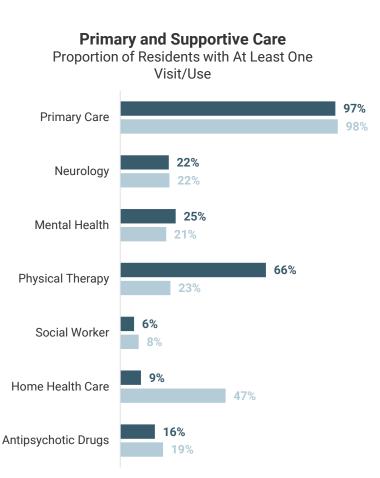


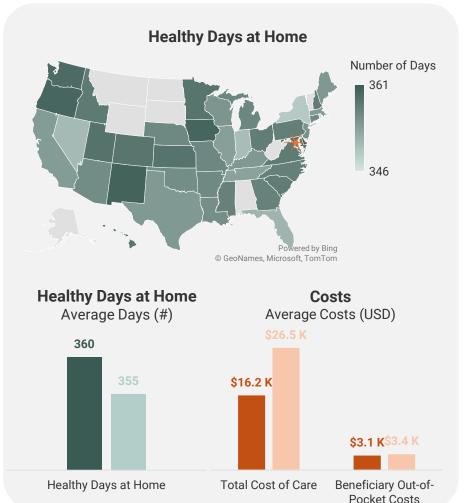


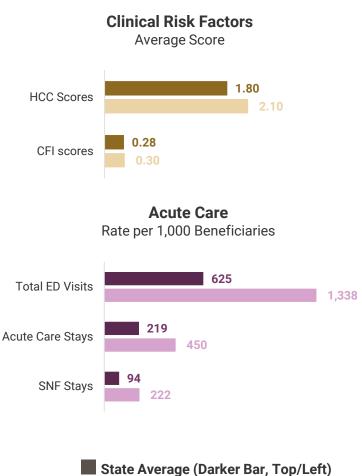


In the **District of Columbia**, FFS-covered senior housing residents with NDD had lower rates acute care stays than the national average



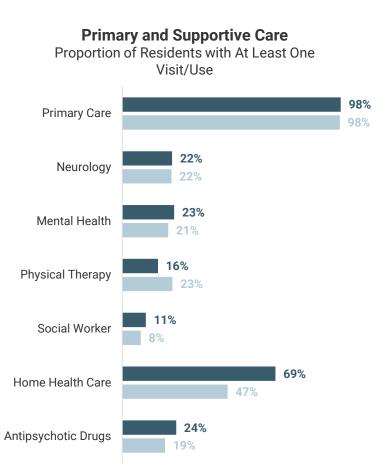


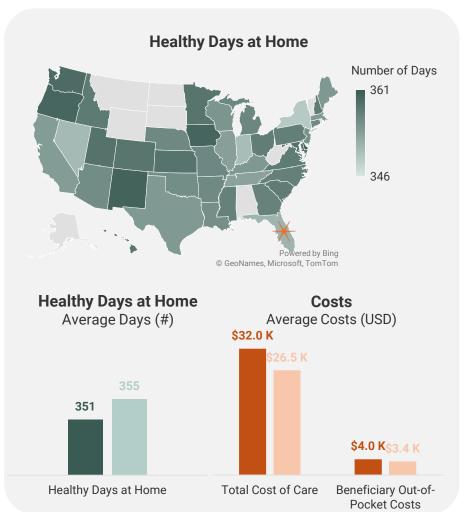


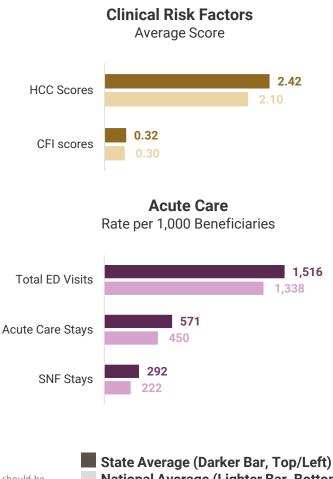


In **Florida**, FFS-covered senior housing residents with NDD had higher rates of acute care stays than the national average





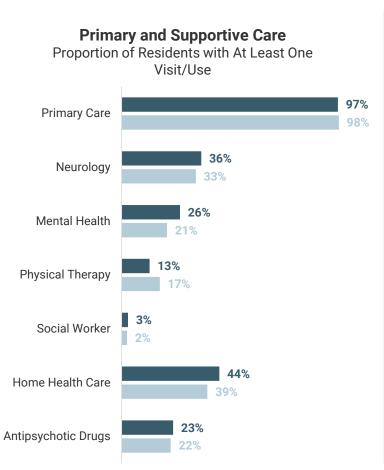


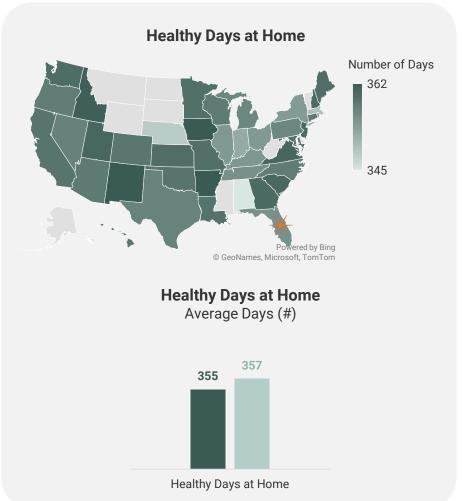


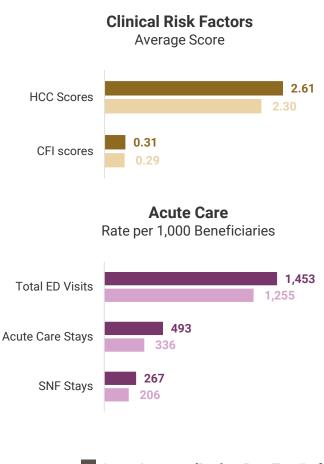
National Average (Lighter Bar, Bottom/Right)

In **Florida**, MA-covered senior housing residents with NDD had higher rates of acute care stays than the national average





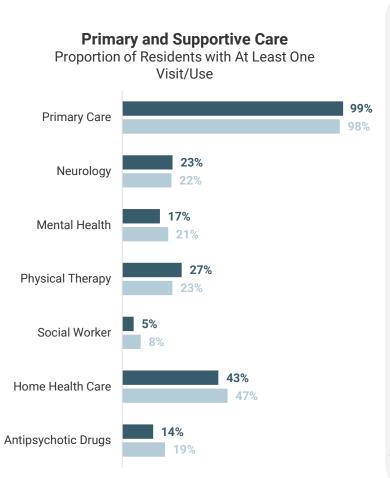


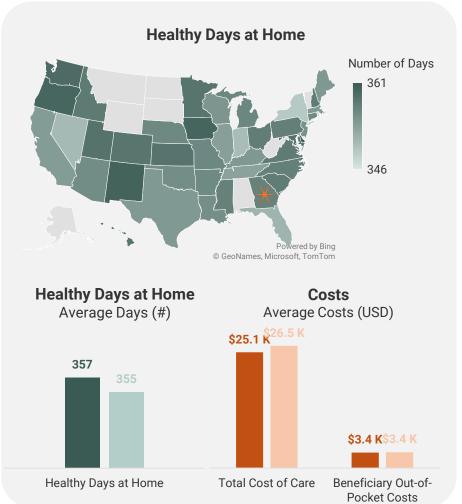


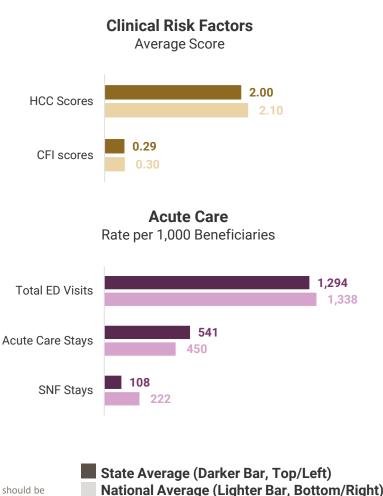
State Average (Darker Bar, Top/Left)
National Average (Lighter Bar, Bottom/Right)

In **Georgia**, FFS-covered senior housing residents with NDD had lower rates of SNF stays than the national average



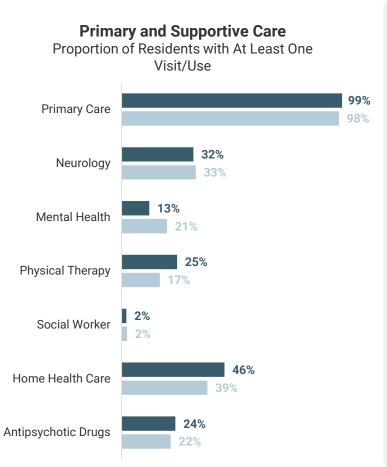


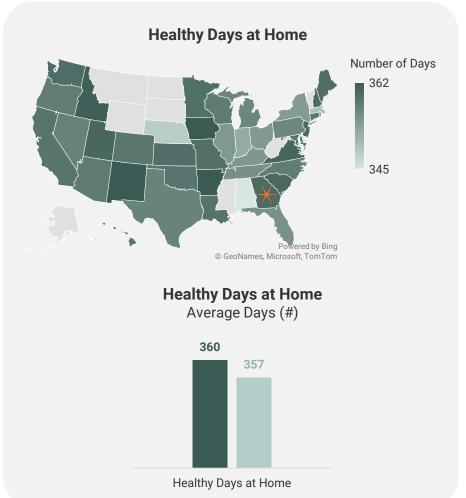


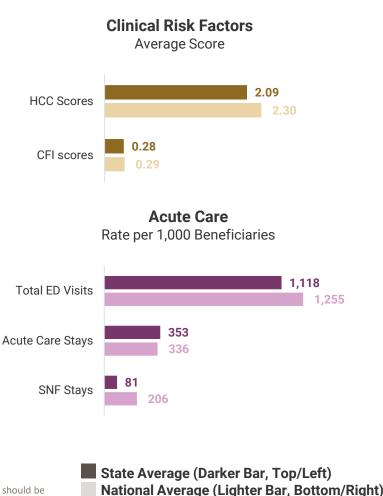


In **Georgia**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



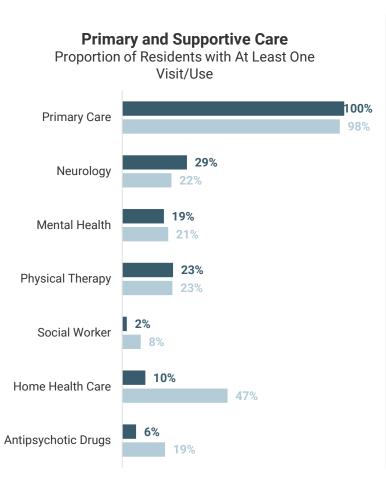


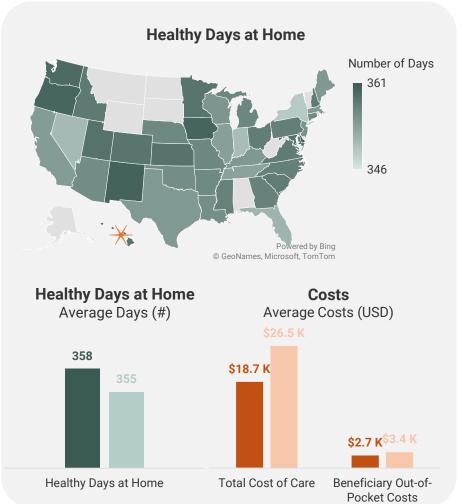


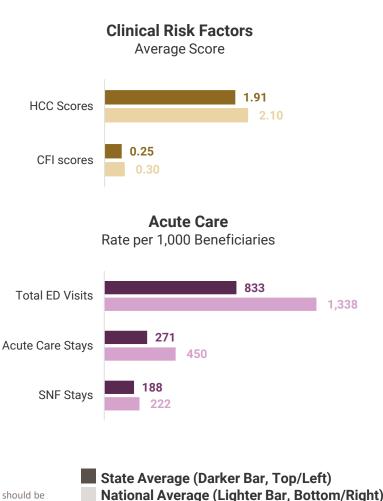


In **Hawaii**, FFS-covered senior housing residents with NDD had lower rates of ED visits than the national average

FFS

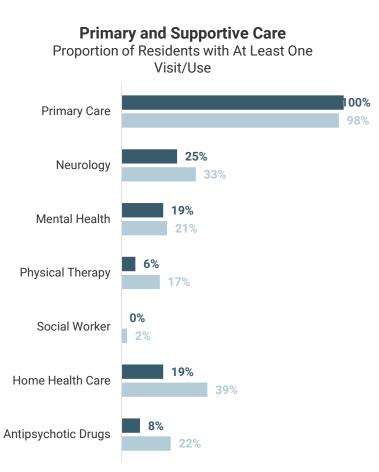


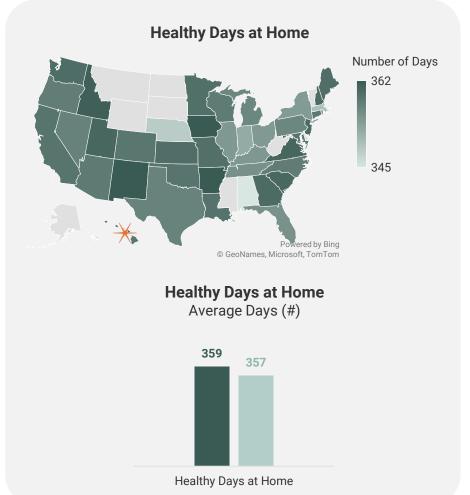


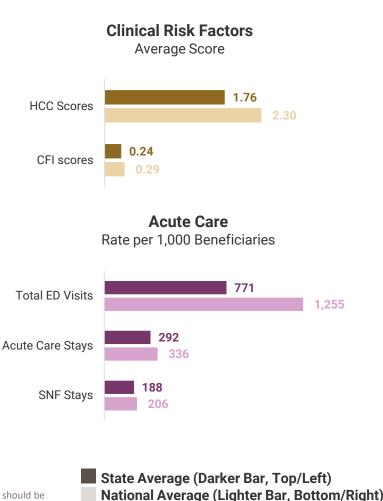


In **Hawaii**, MA-covered senior housing residents with NDD had lower rates of ED visits than the national average



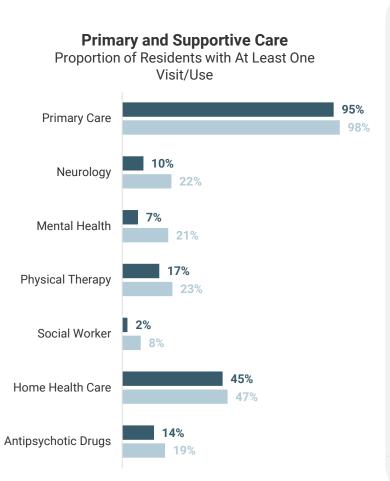


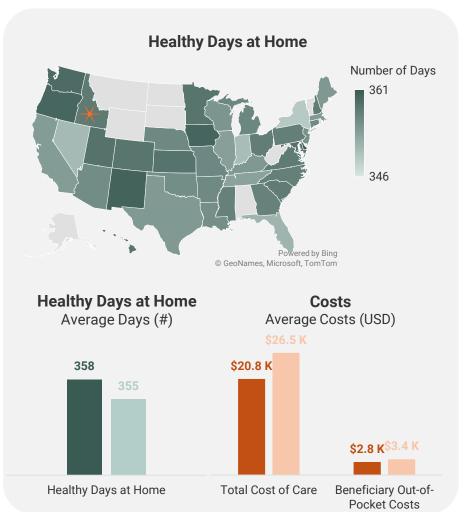


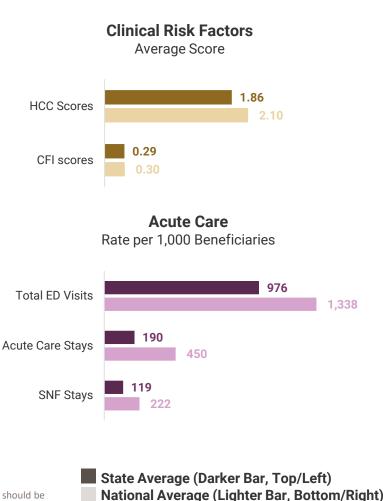


In **Idaho**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



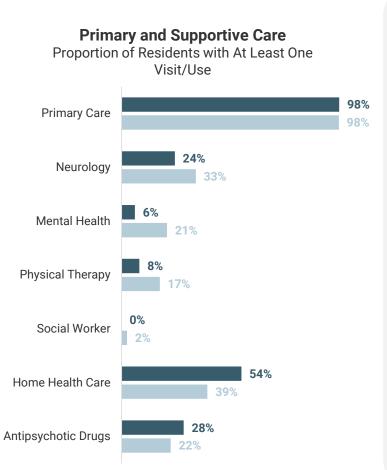


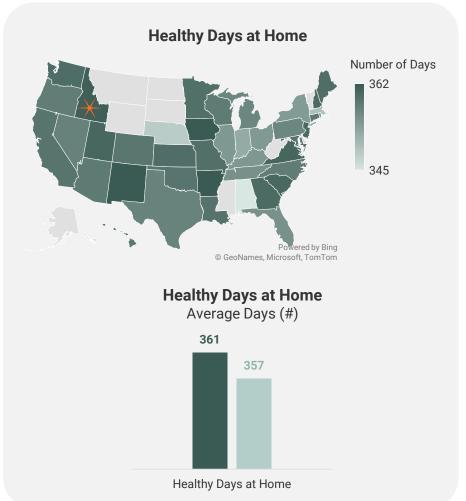


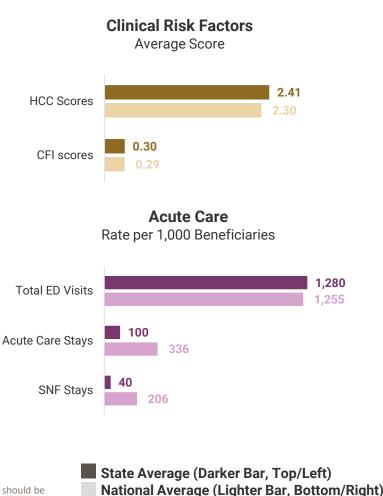


In **Idaho**, MA-covered senior housing residents with NDD had lower rates of acute care stays than the national average



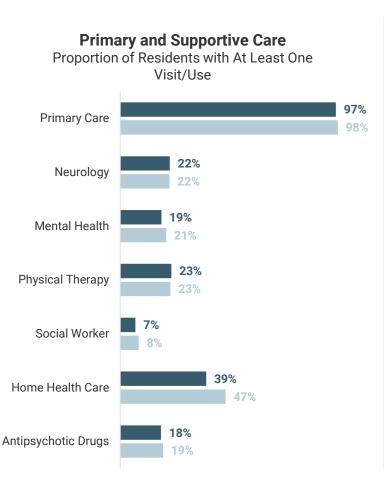


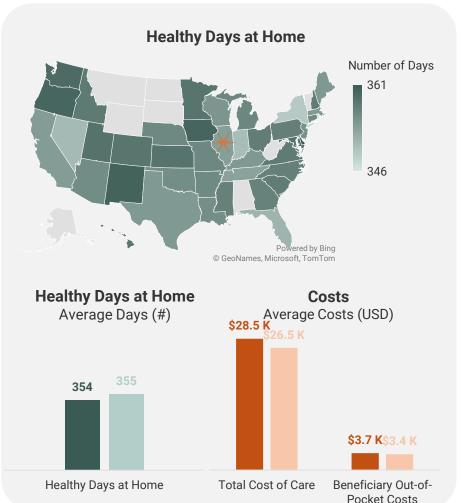


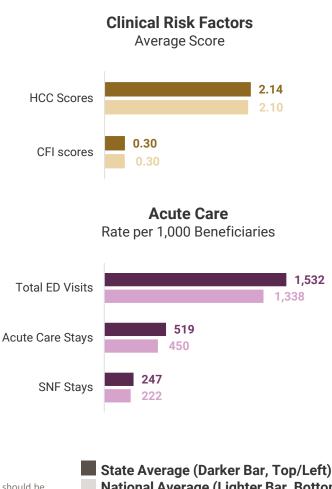


In **Illinois**, FFS-covered senior housing residents with NDD less frequently had at least one home health visit than the national average





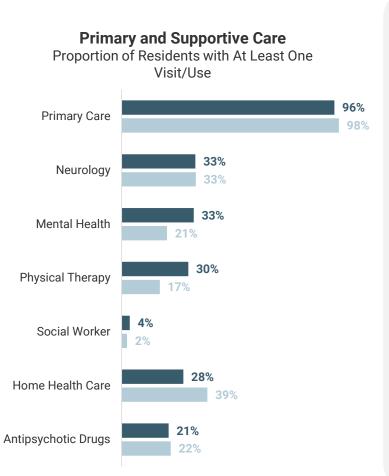


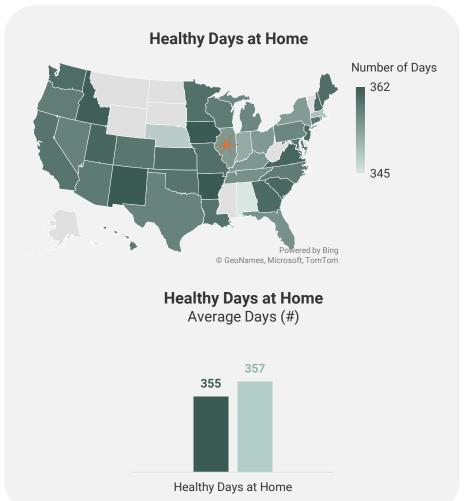


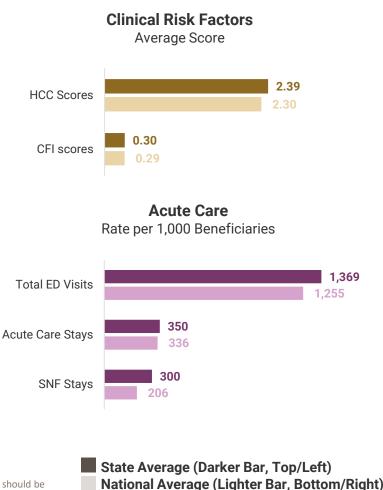
National Average (Lighter Bar, Bottom/Right)

In **Illinois**, MA-covered senior housing residents with NDD more frequently had at least one mental health visit than the national average



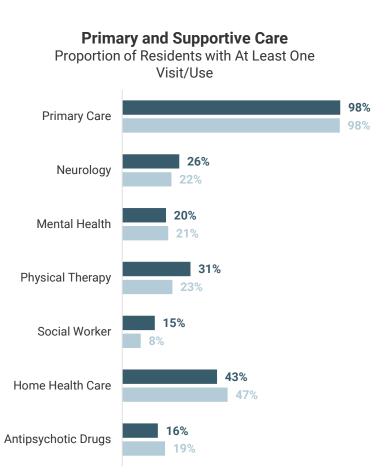


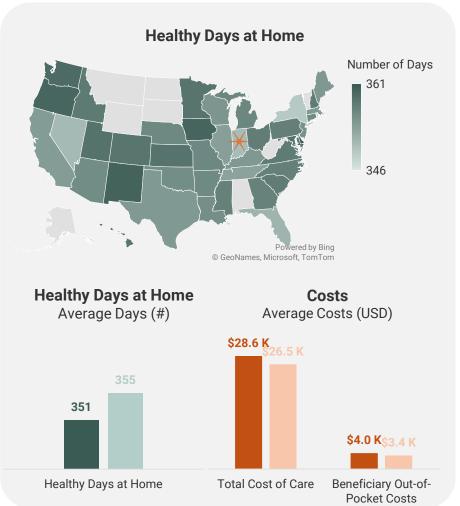


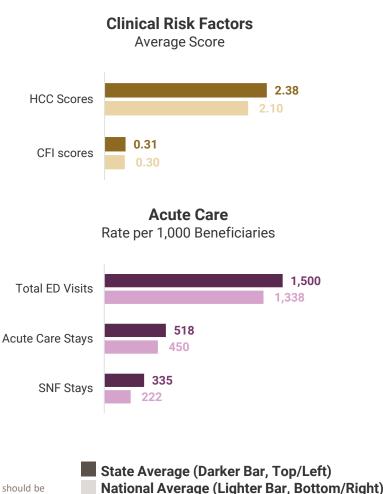


In **Indiana**, FFS-covered senior housing residents with NDD had higher rates of SNF stays than the national average



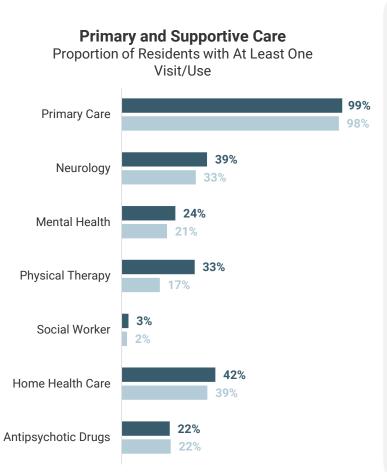


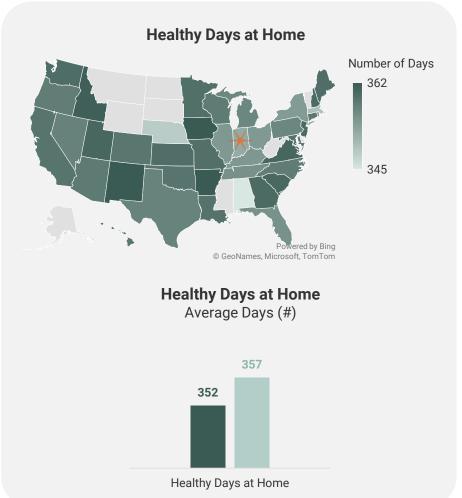


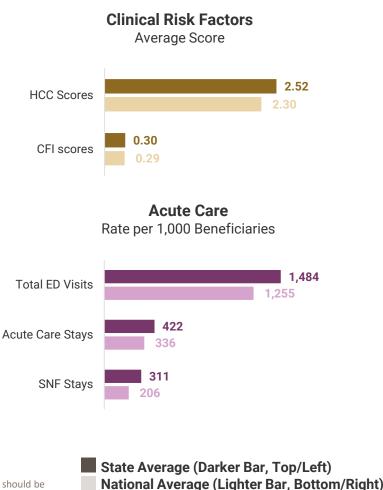


In **Indiana**, MA-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



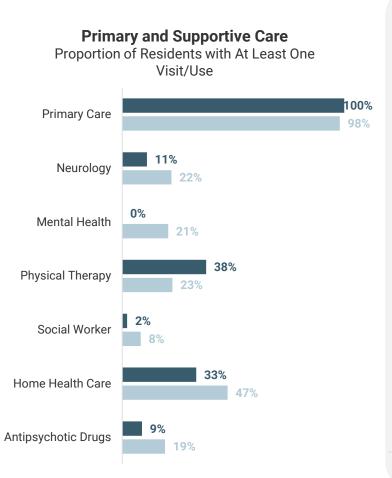


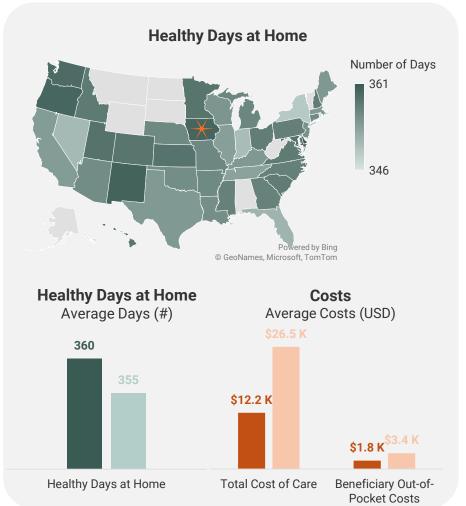


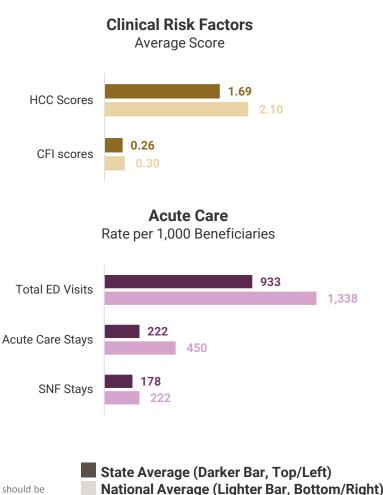


In **lowa**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



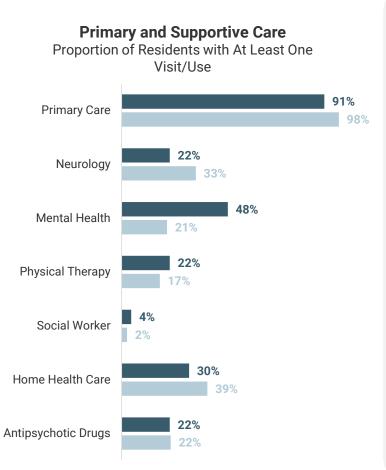


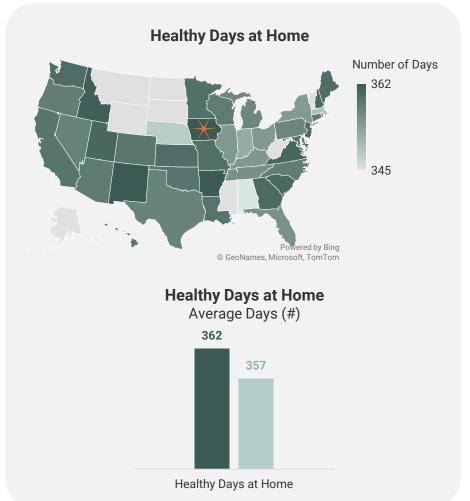


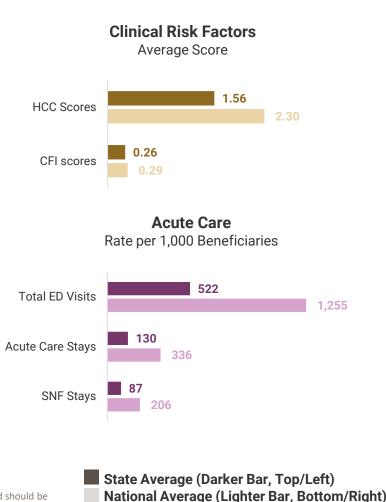


In **lowa**, MA-covered senior housing residents with NDD had lower rates of acute care stays than the national average



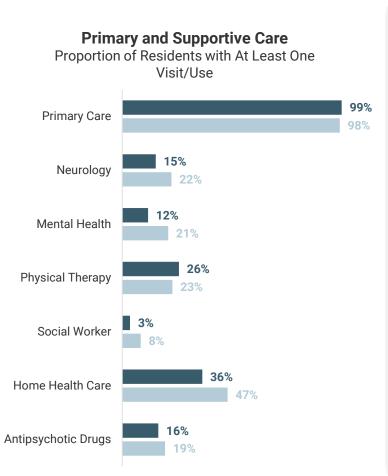


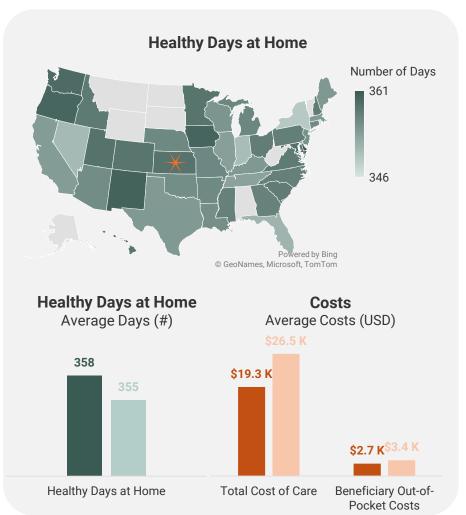


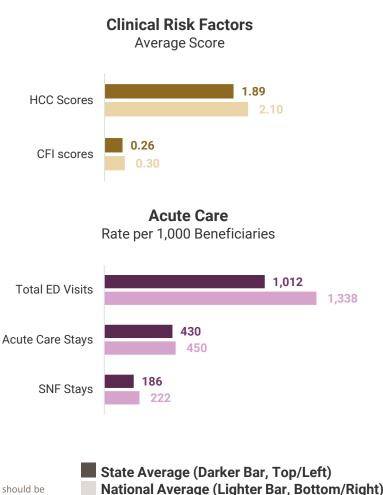


In **Kansas**, FFS-covered senior housing residents with NDD had lower rates of ED visits than the national average



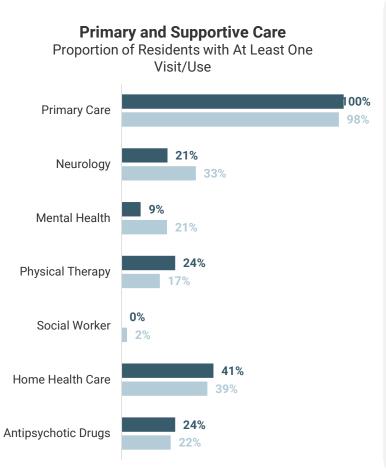


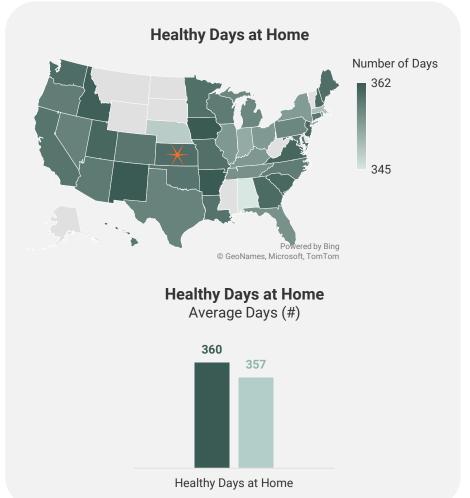


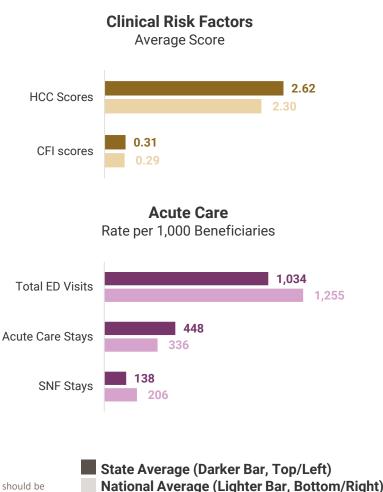


In **Kansas**, MA-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



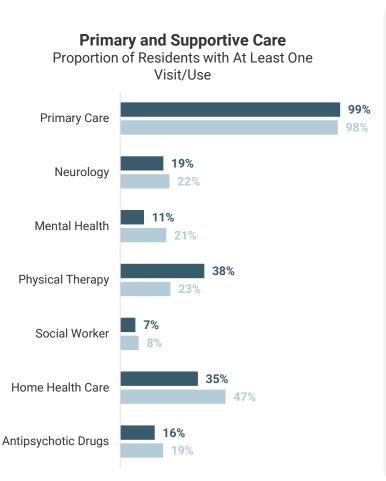


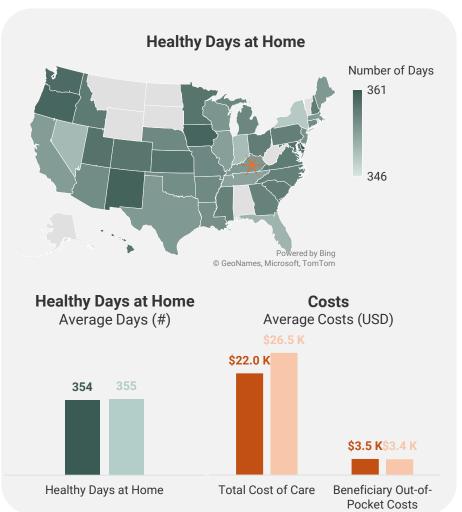


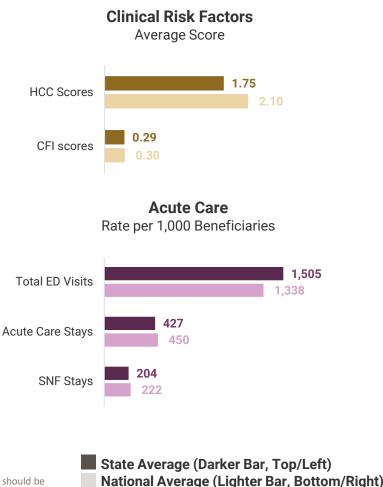


In **Kentucky**, FFS-covered senior housing residents with NDD more frequently had at least one physical therapy visit than the national average



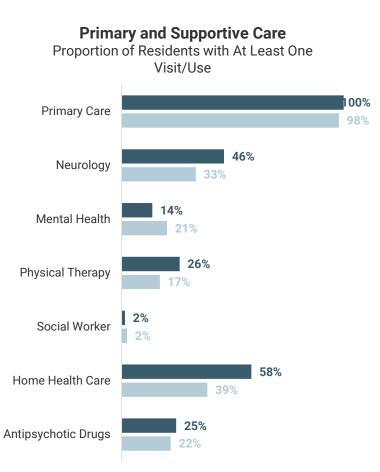


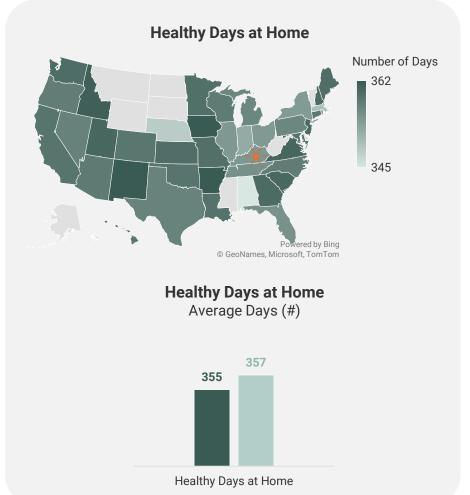


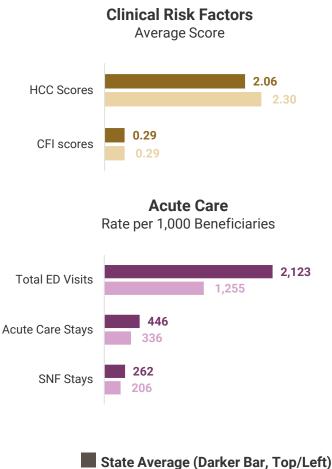


In **Kentucky**, MA-covered senior housing residents with NDD more frequently had at least one neurology visit than the national average





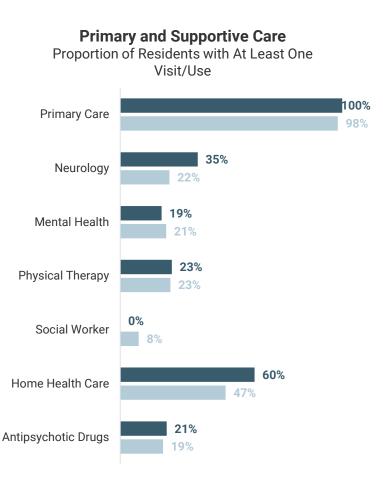


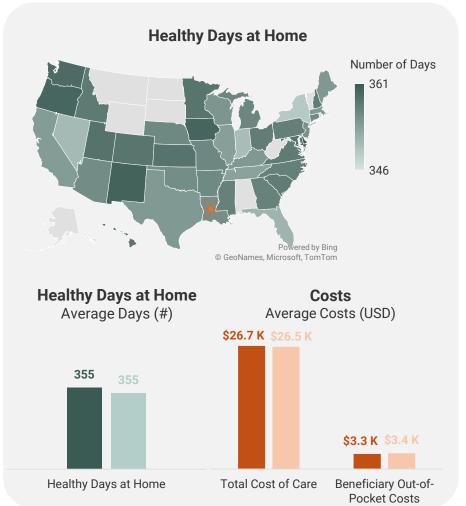


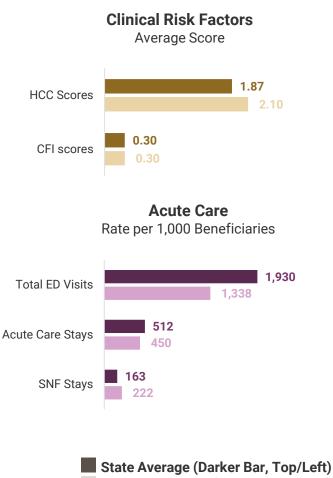
National Average (Lighter Bar, Bottom/Right)

In **Louisiana**, FFS-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



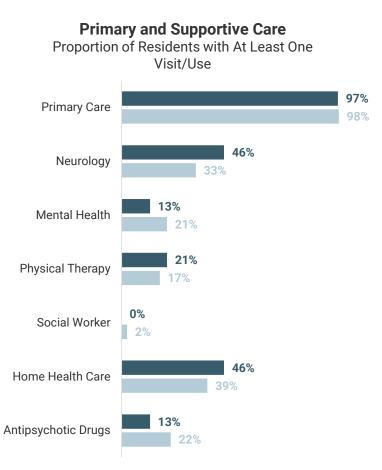


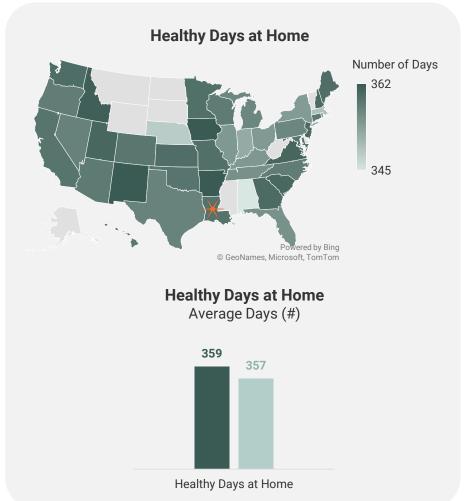


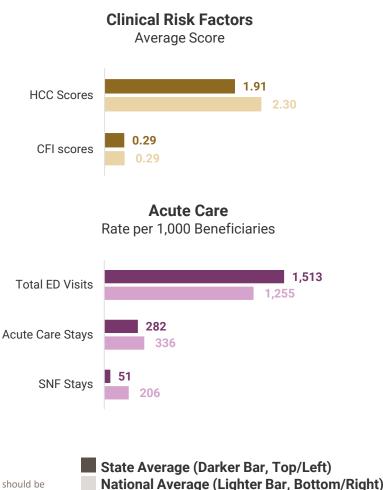


In **Louisiana**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



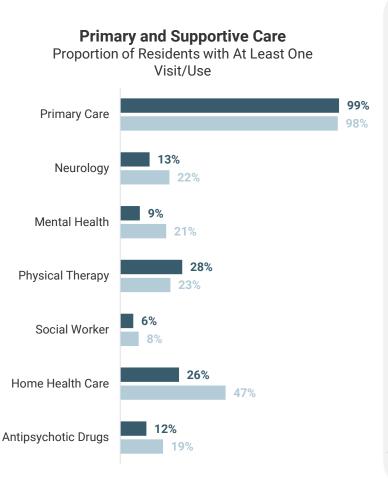


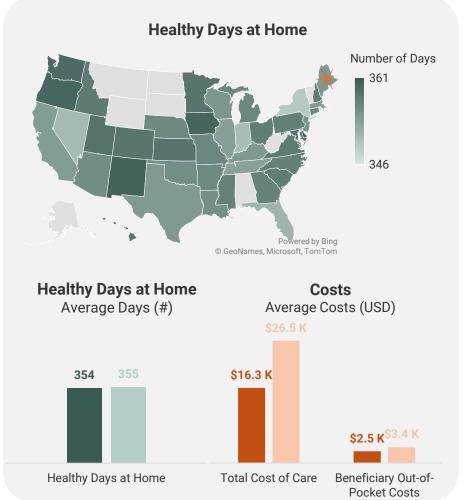


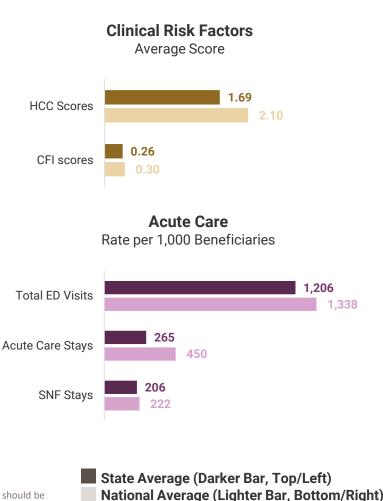


In **Maine**, FFS-covered senior housing residents with NDD with FFS coverage have lower rates of acute care stays than the national average



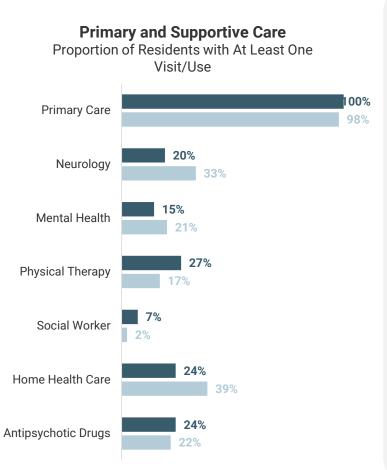


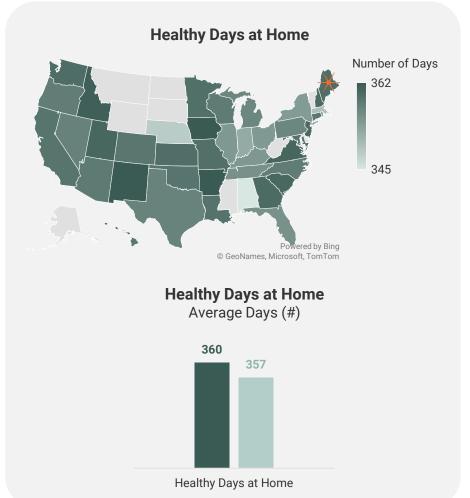


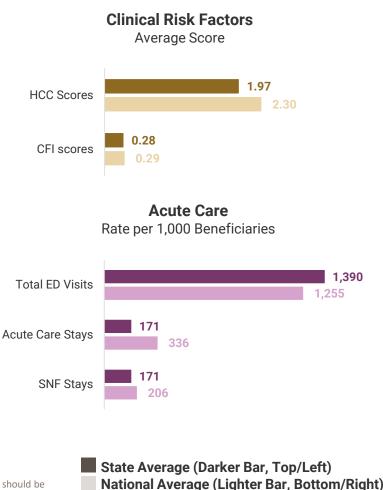


In **Maine**, MA-covered senior housing residents with NDD had lower rates of acute care stays than the national average



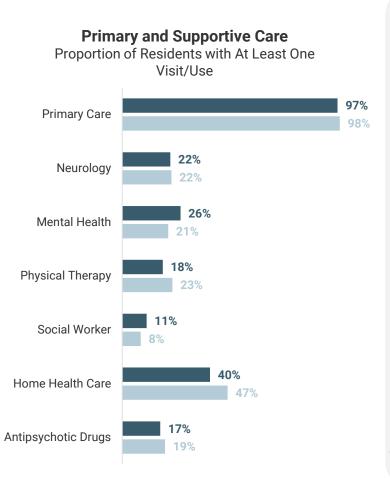


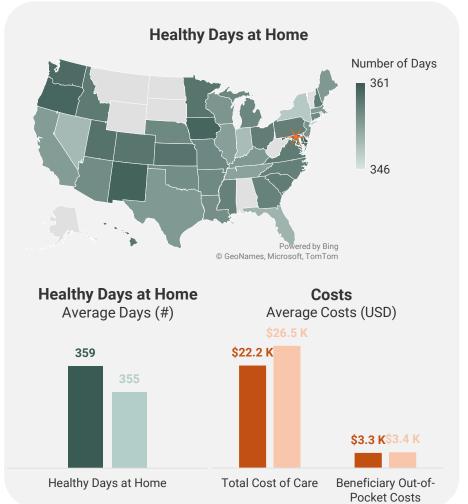


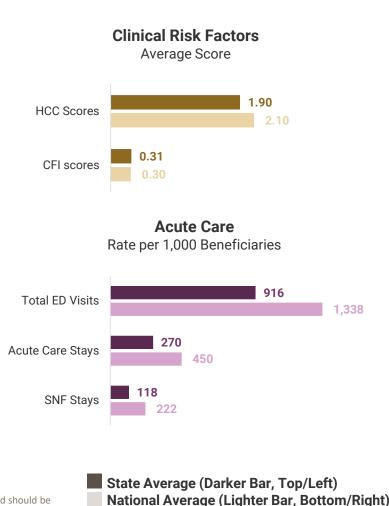


In **Maryland**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



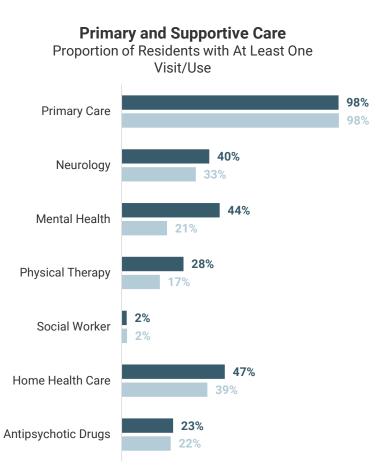


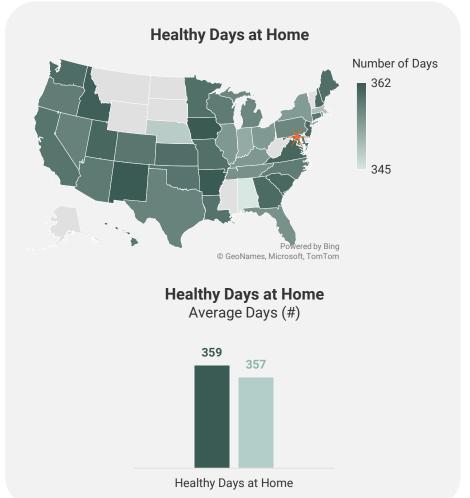


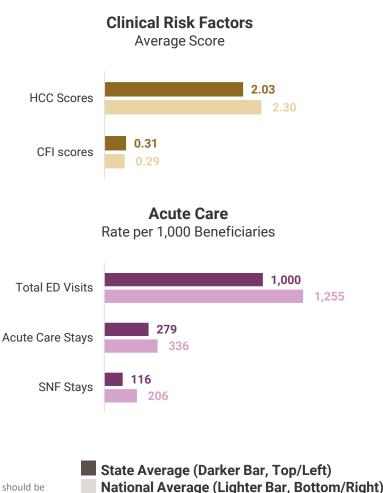


In **Maryland**, MA-covered senior housing residents with NDD more frequently had at least one mental health visit than the national average



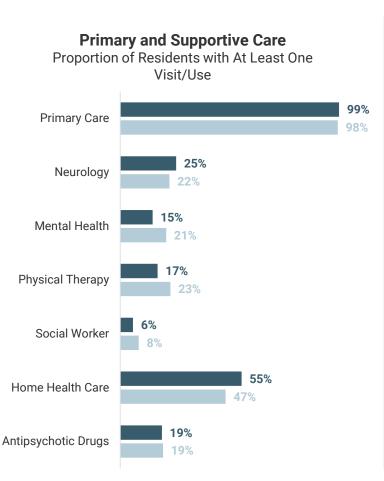


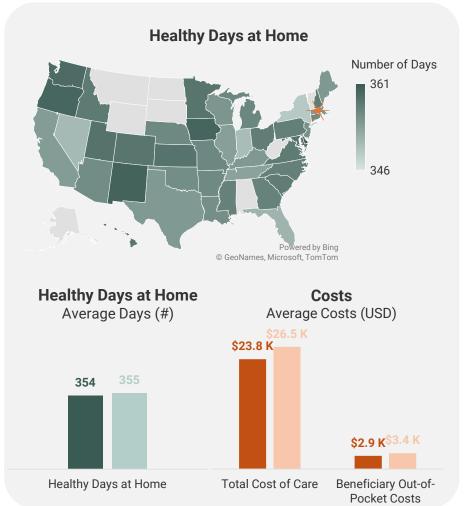


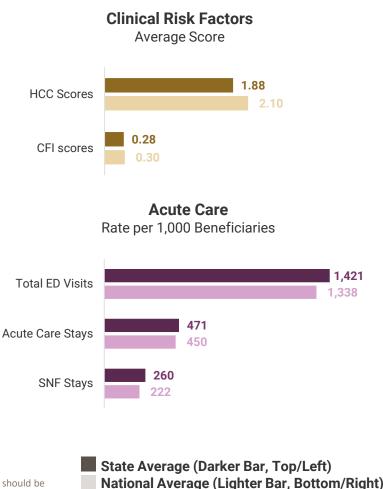


In **Massachusetts**, FFS-covered senior housing residents with NDD more frequently had at least one home health visit than the national average



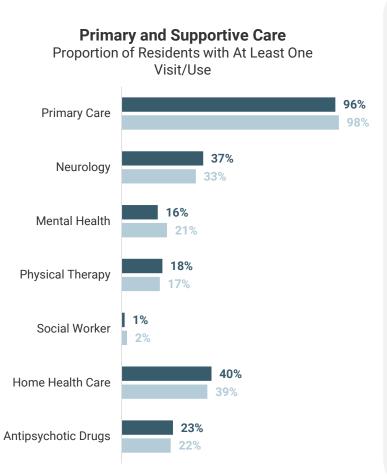


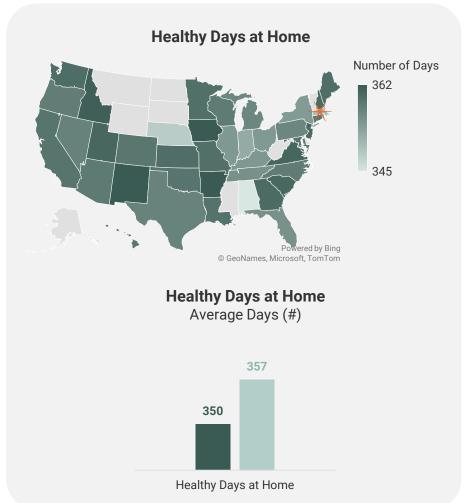


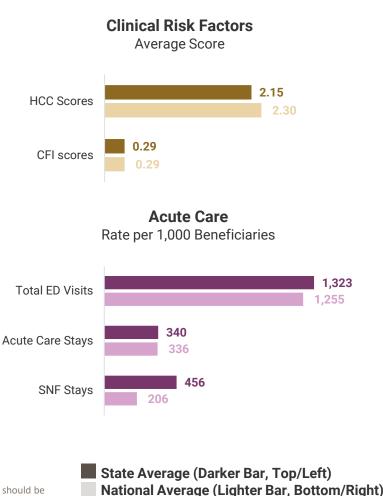


In **Massachusetts**, MA-covered senior housing residents with NDD had higher rates of SNF stays than the national average



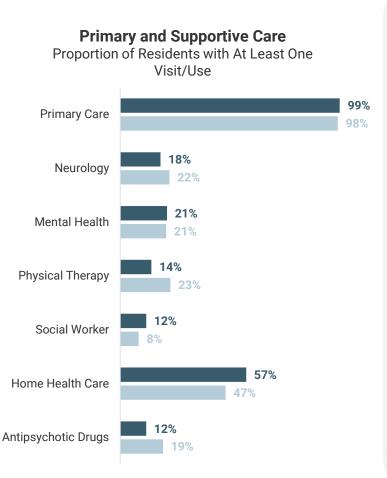


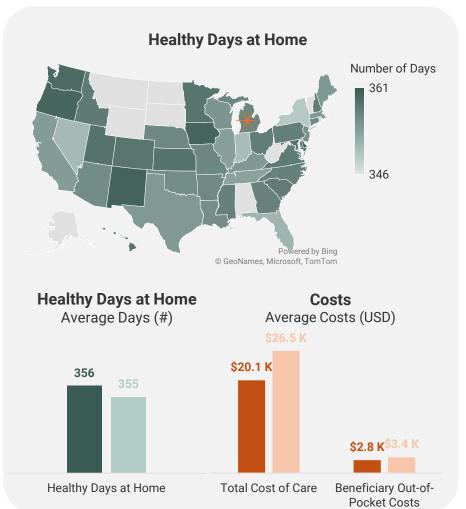


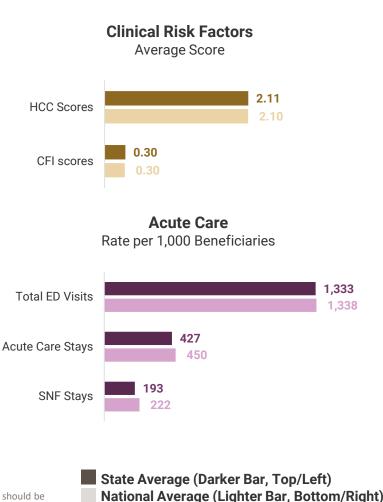


In **Michigan**, FFS-covered senior housing residents with NDD more frequently had at least one home health visit than the national average

FFS

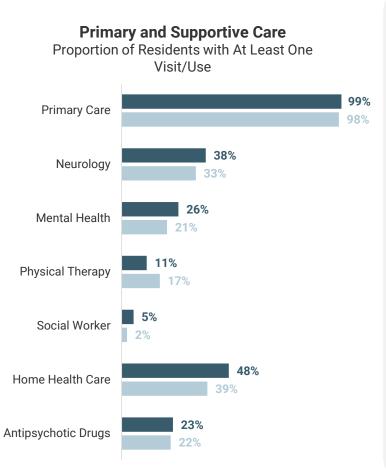


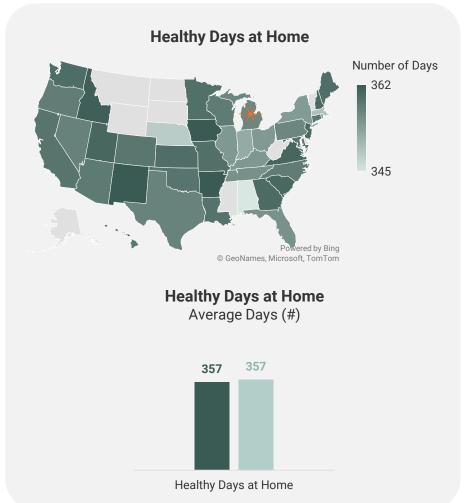


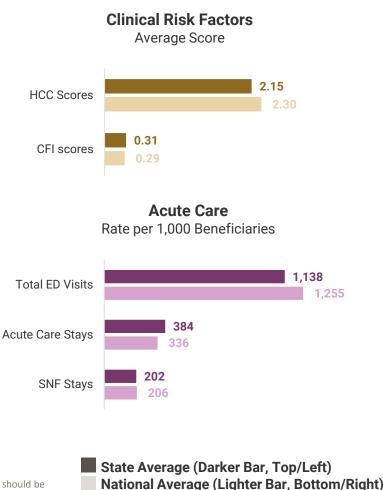


In **Michigan**, MA-covered senior housing residents with NDD less frequently had at least one physical therapy visit than the national average



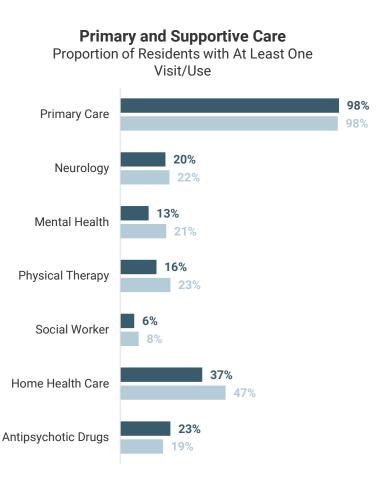


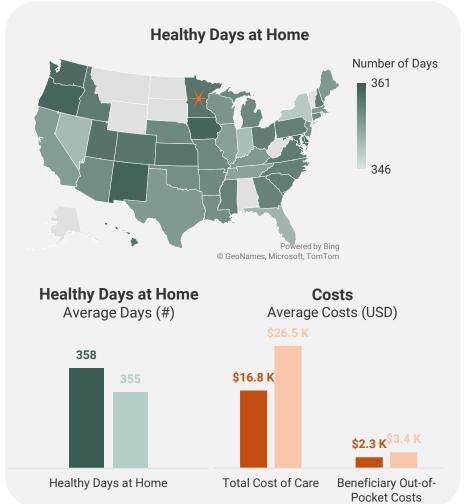


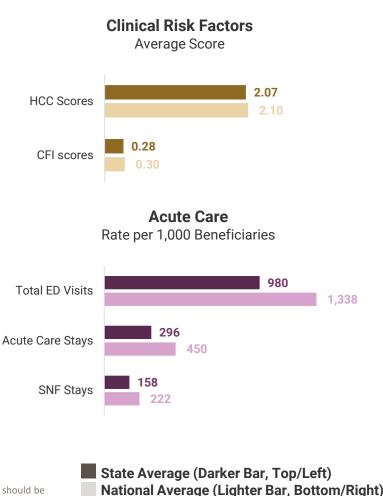


In **Minnesota**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



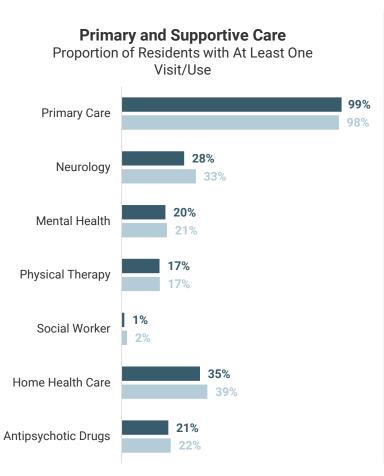


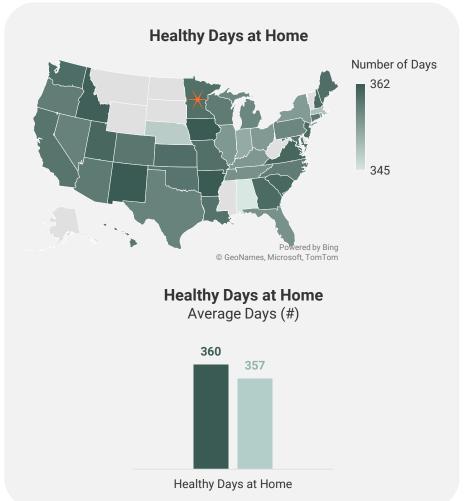


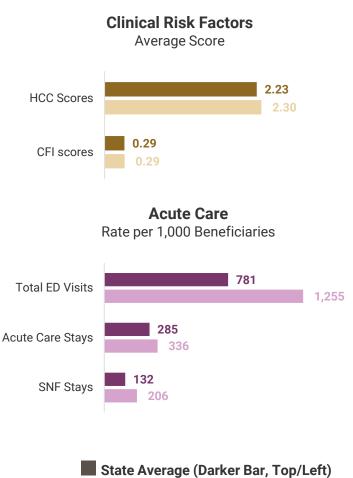


In **Minnesota**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



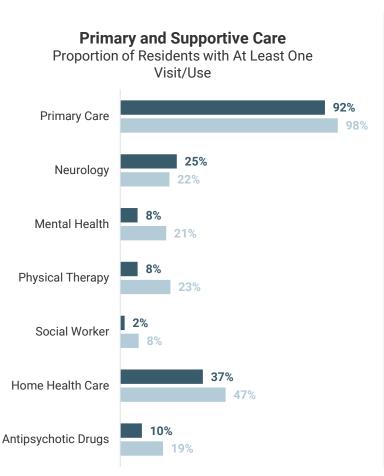


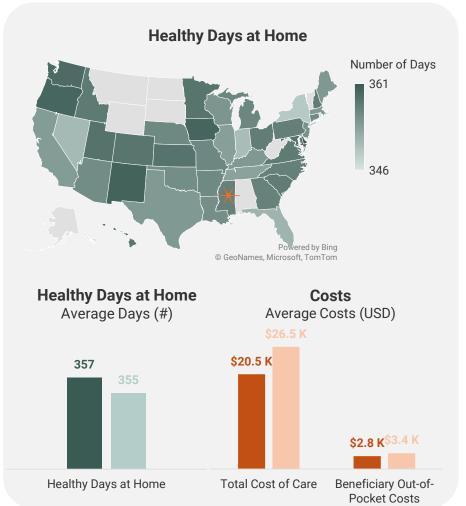


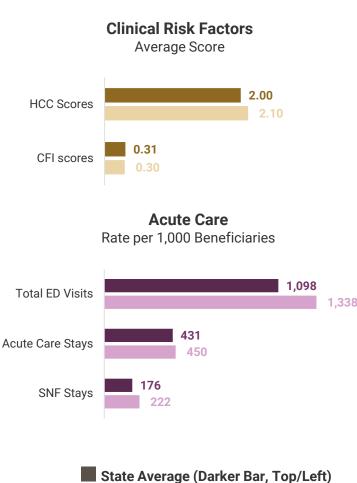


In Mississippi, FFS-covered senior housing residents with NDD had lower rates of mental health visits than the national average

FFS



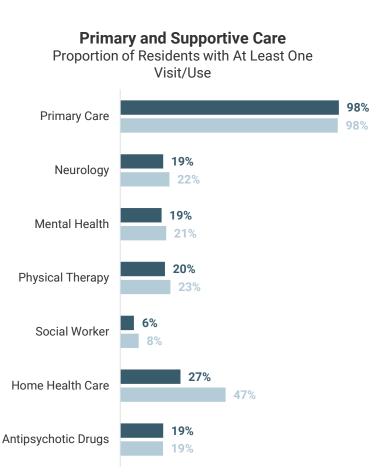


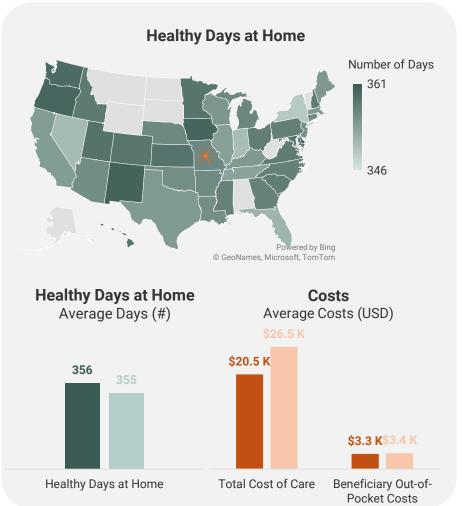


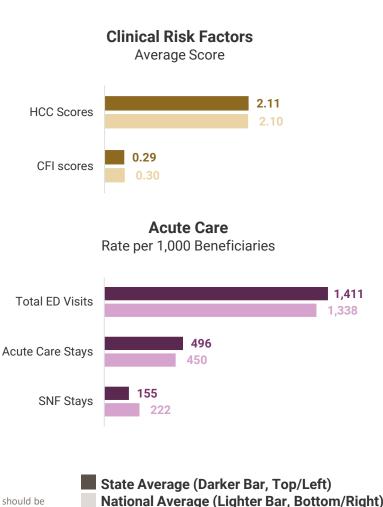
National Average (Lighter Bar, Bottom/Right)

In **Missouri**, FFS-covered senior housing residents with NDD less frequently had at least one home health visit than the national average



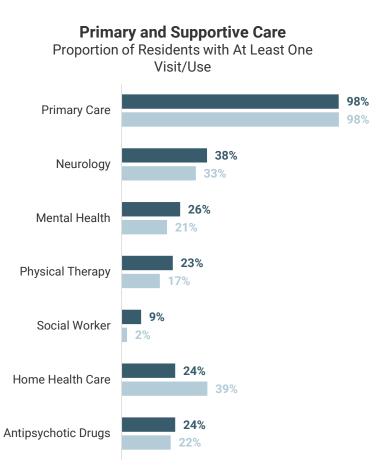


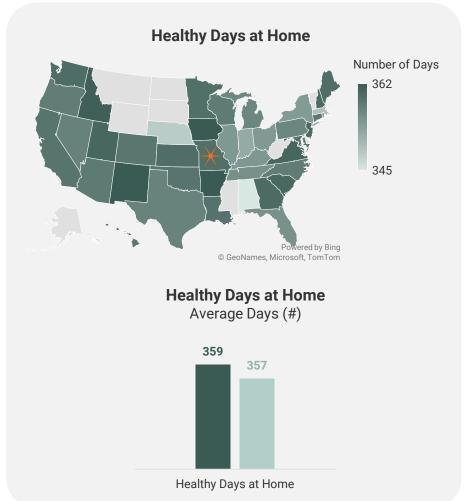


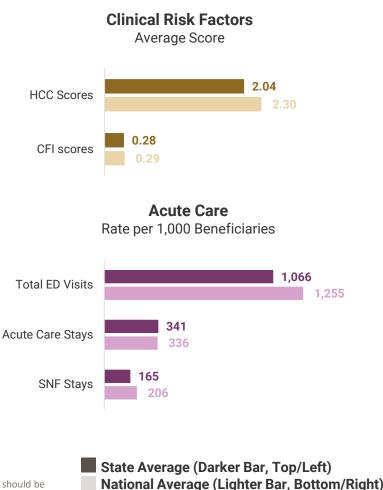


In **Missouri**, MA-covered senior housing residents with NDD more frequently had at least one social worker visit than the national average



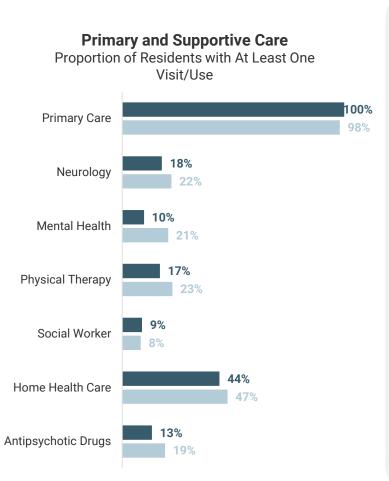


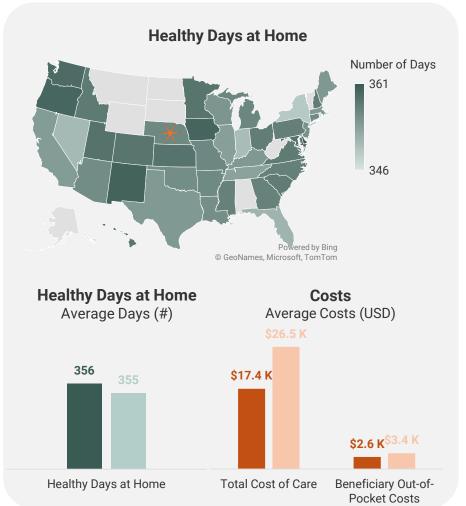


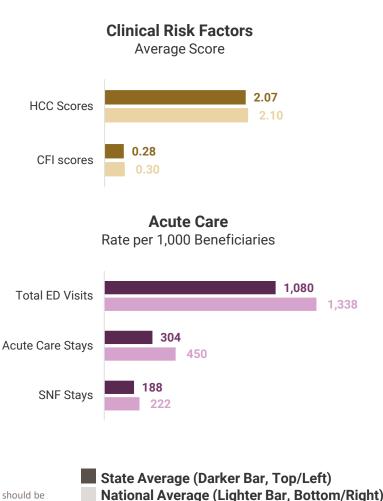


In **Nebraska**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



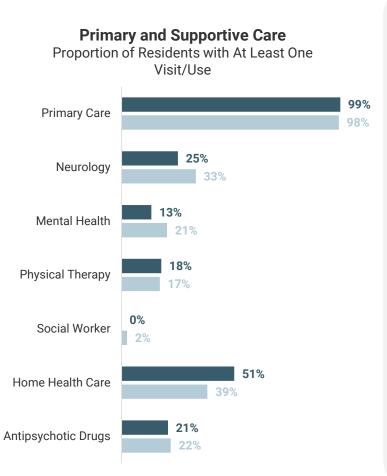


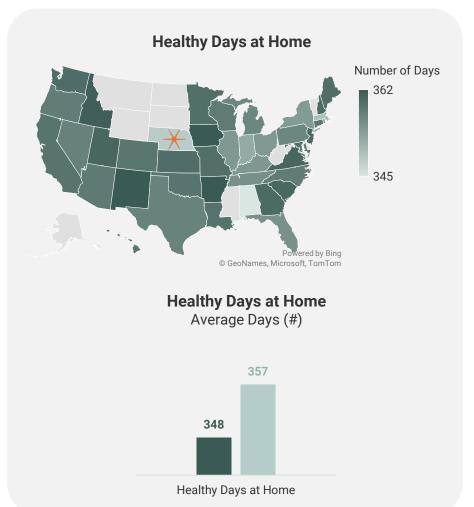


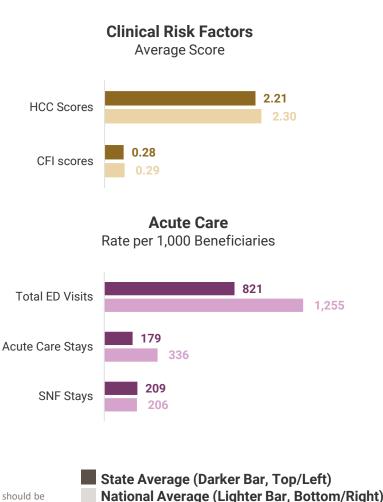


In **Nebraska**, MA-covered senior housing residents with NDD had lower rates of acute care stays than the national average



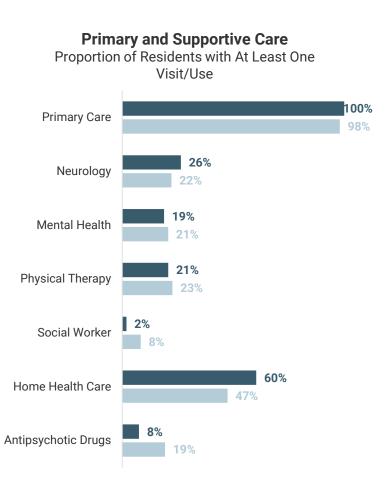


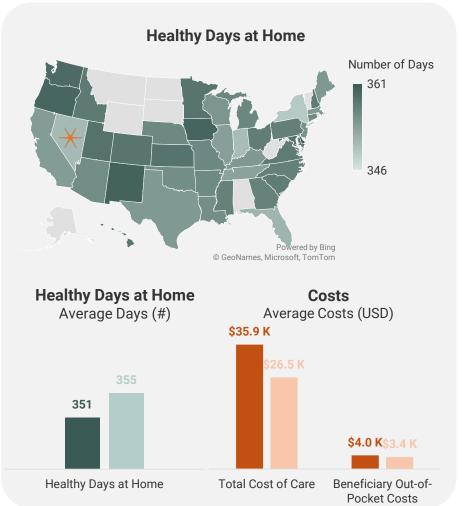


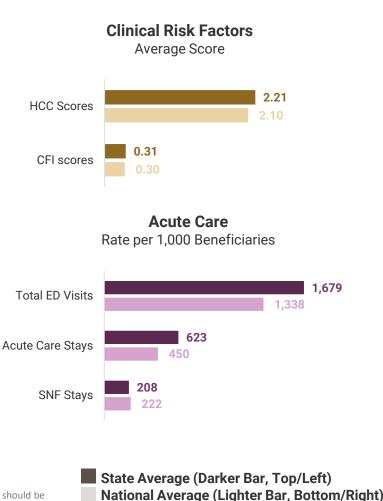


In **Nevada**, FFS-covered senior housing residents with NDD had higher rates of primary care visits than the national average



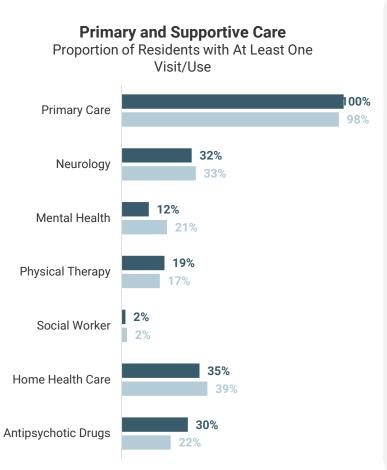


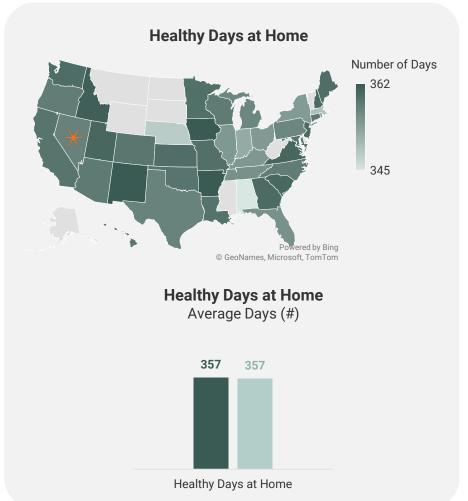


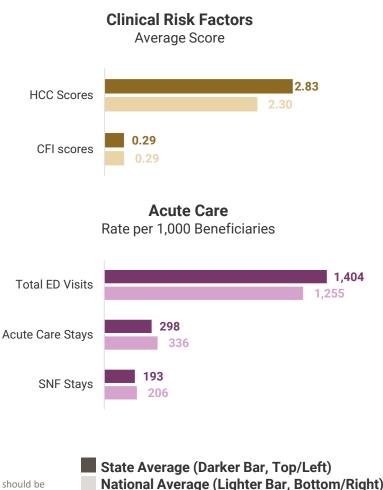


In **Nevada**, MA-covered senior housing residents with NDD had higher rates of primary care visits than the national average



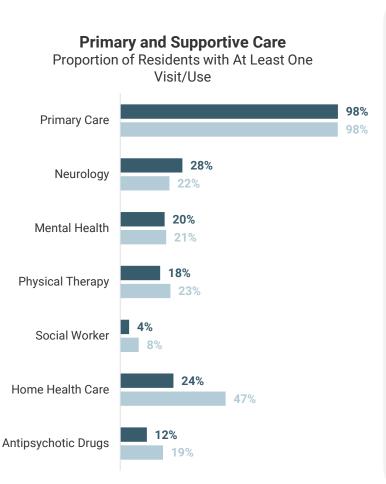


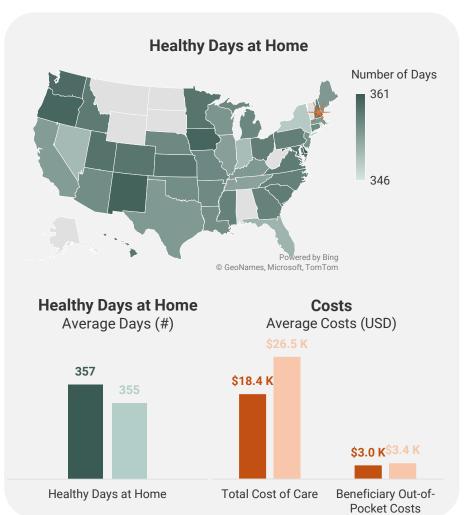


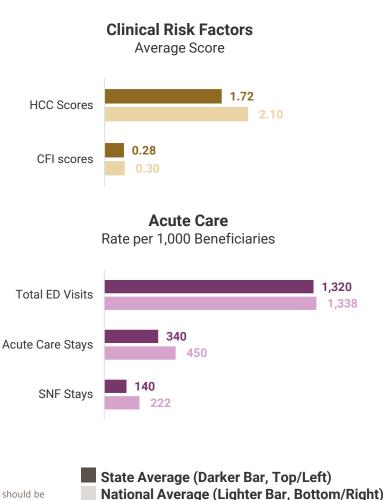


In **New Hampshire**, FFS-covered senior housing residents with NDD less frequently had at least one home health visit than the national average

FFS

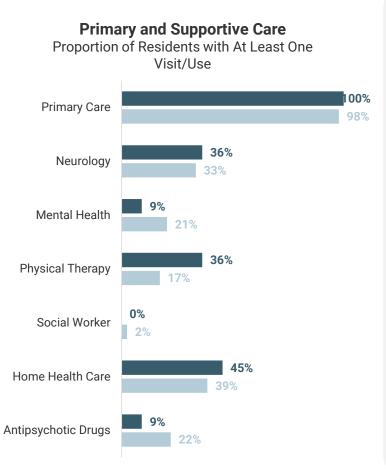


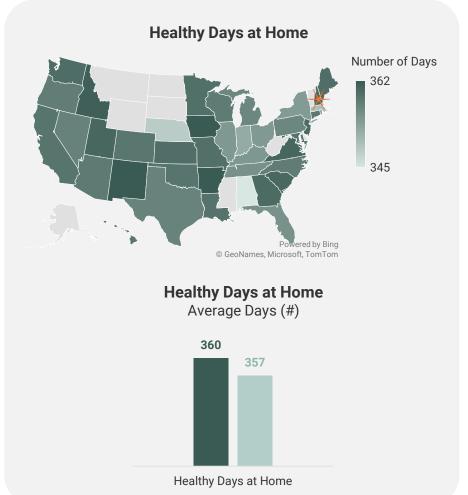


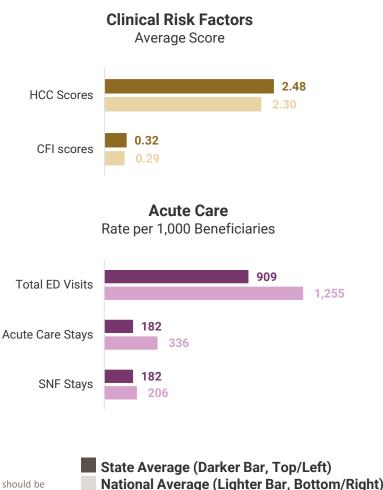


In **New Hampshire**, MA-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



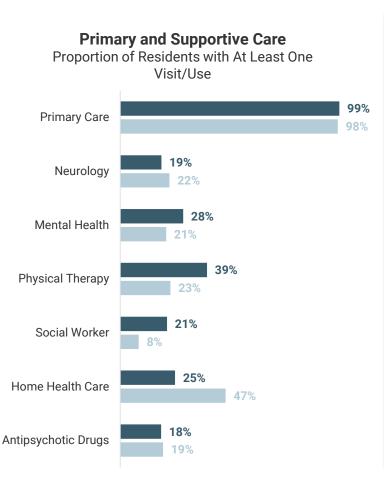


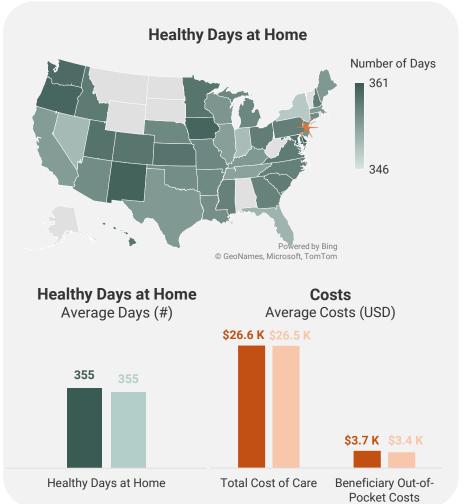


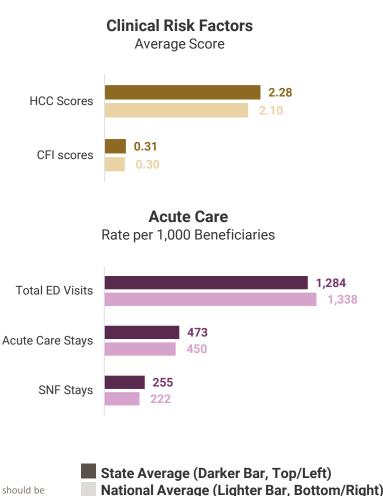


In **New Jersey**, FFS-covered senior housing residents with NDD more frequently had at least one mental health visit than the national average



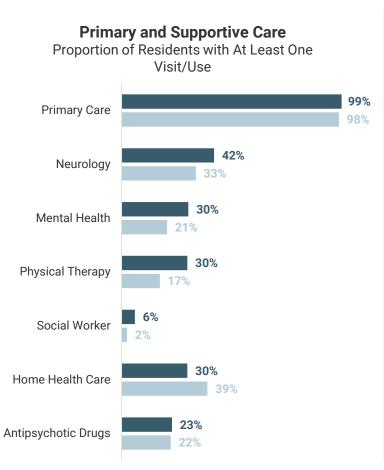


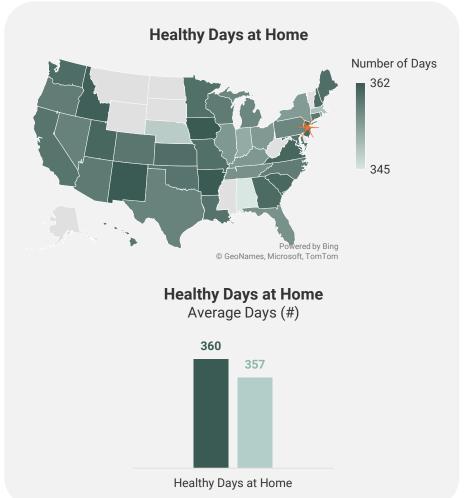


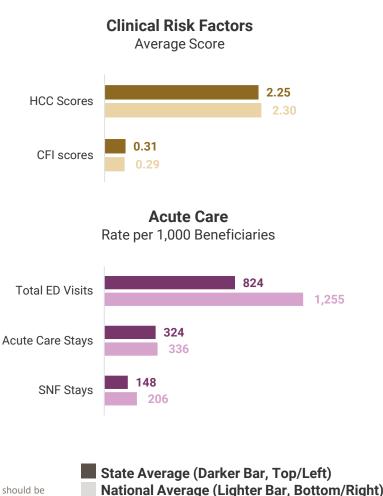


In **New Jersey**, MA-covered senior housing residents with NDD had lower rates of ED visits than the national average



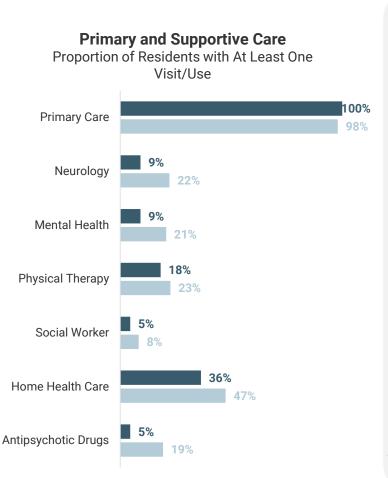


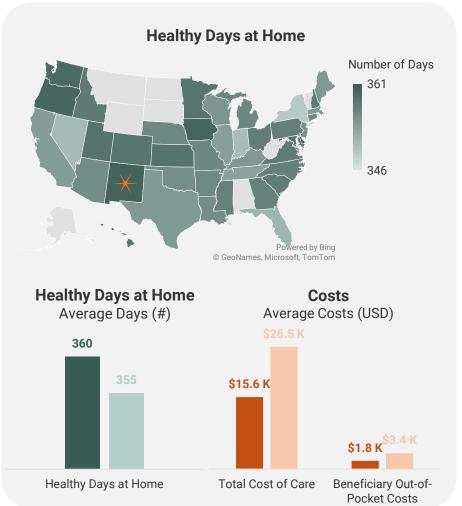


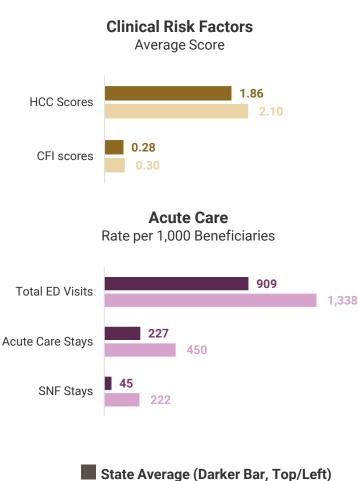


In New Mexico, FFS-covered senior housing residents with NDD had lower rates SNF stays than the national average





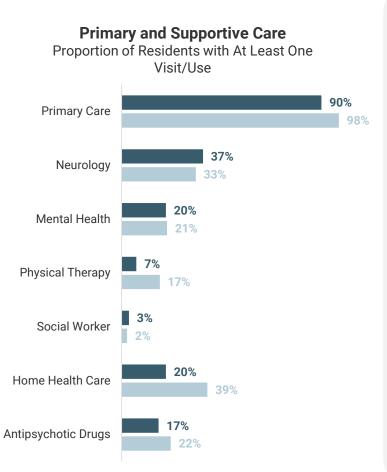


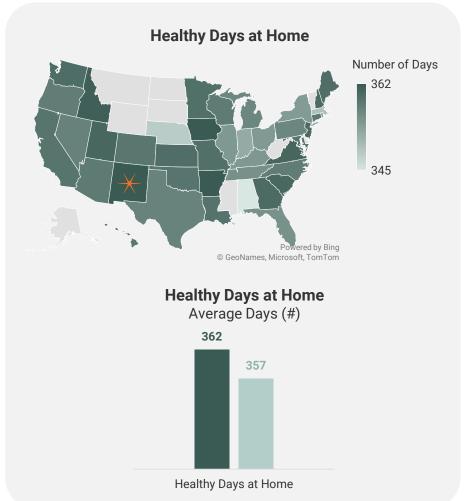


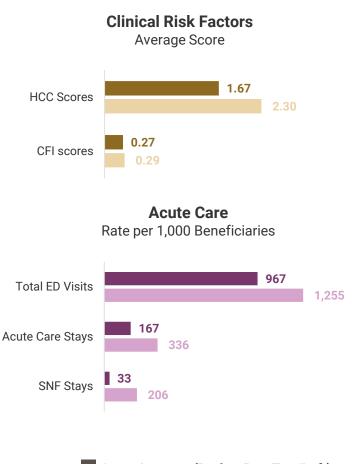
National Average (Lighter Bar, Bottom/Right)

In **New Mexico**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



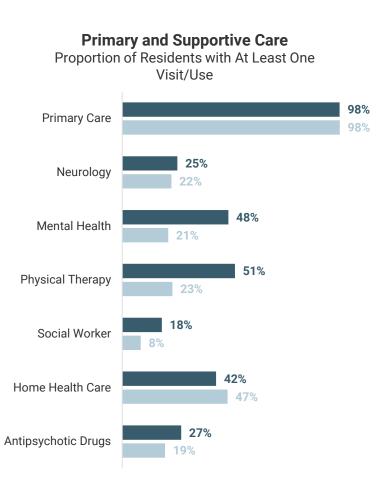


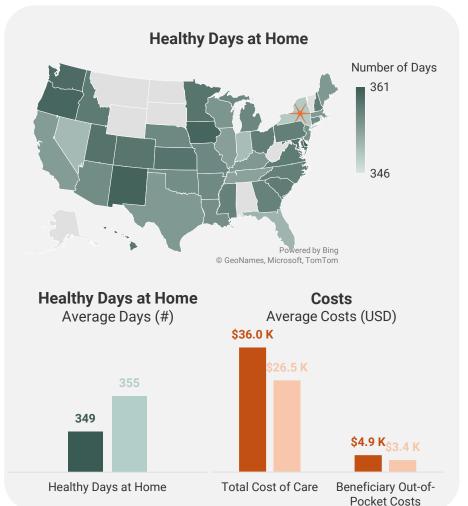


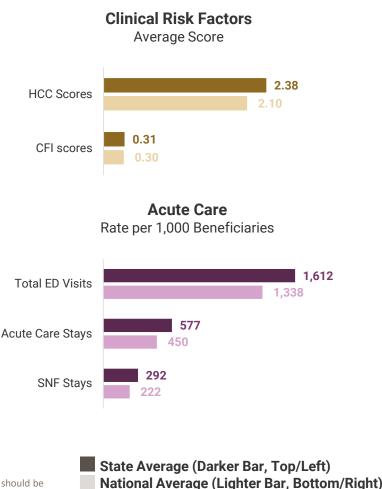


In **New York**, FFS-covered senior housing residents with NDD had higher rates of acute care than the national average



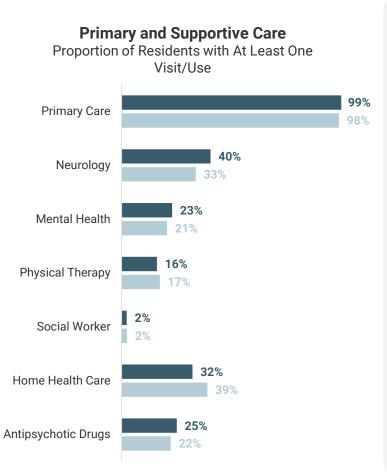


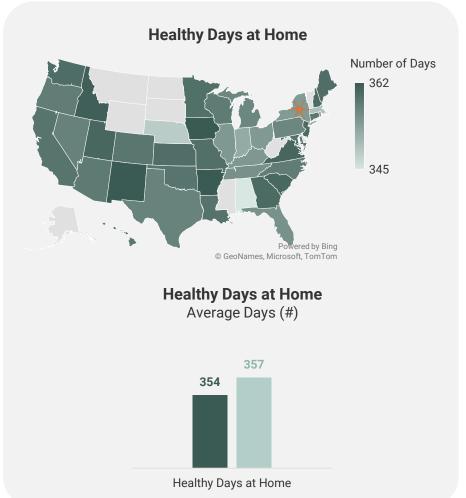


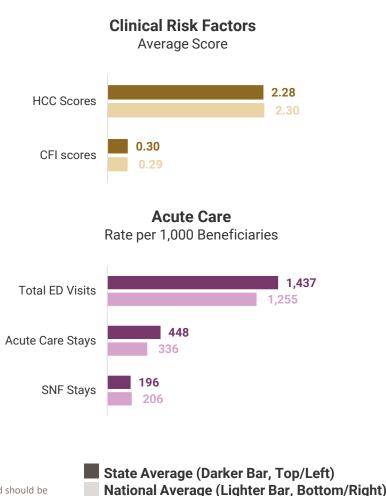


In **New York**, MA-covered senior housing residents with NDD had higher rates of acute care stays than the national average



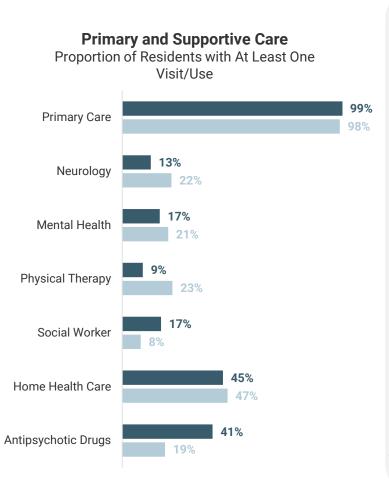


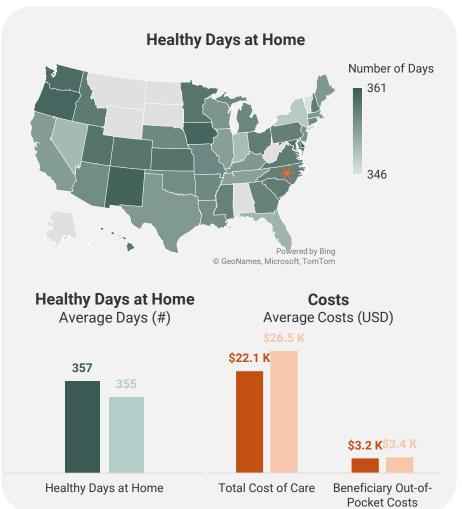


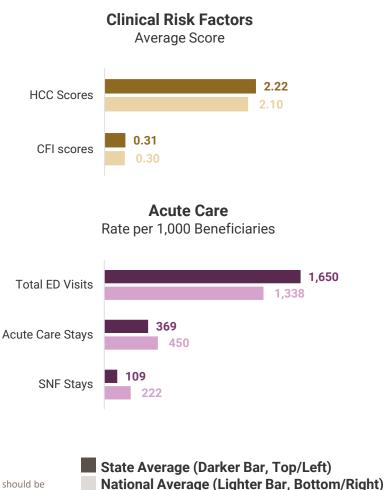


In **North Carolina**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



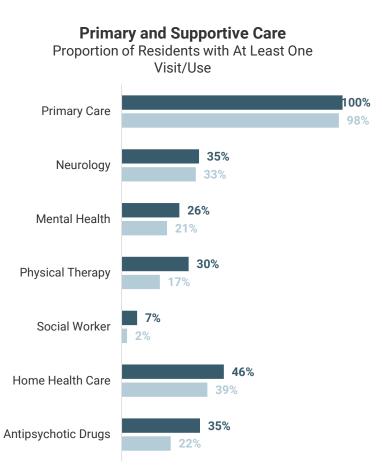


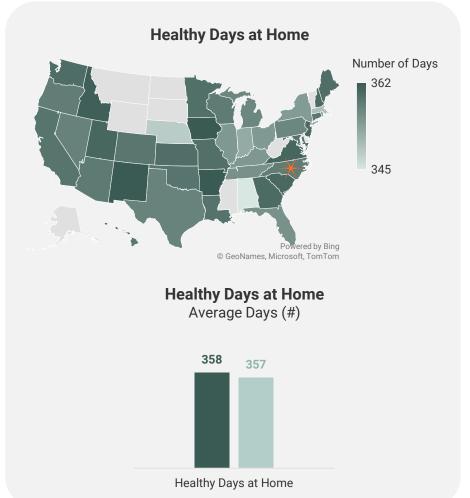


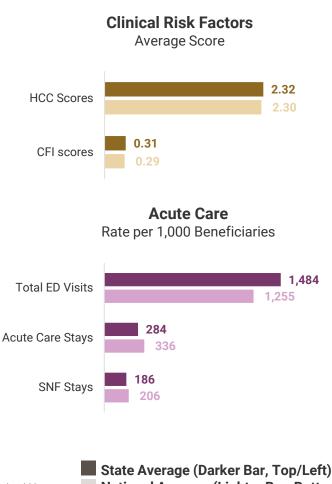


In North Carolina, MA-covered senior housing residents with NDD more frequently had at least one physical therapy visit than the national average





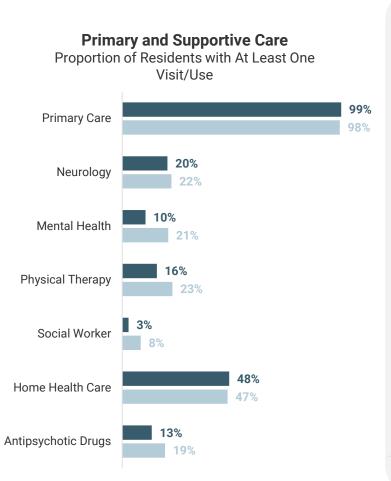


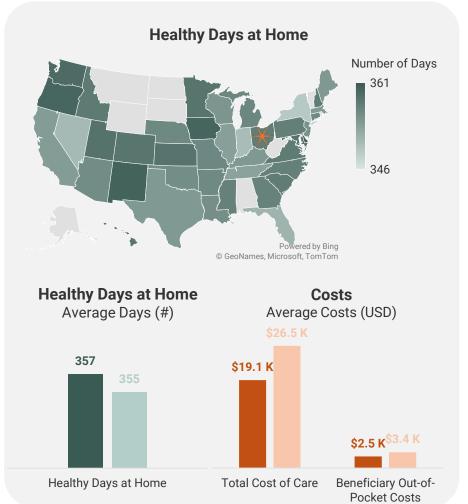


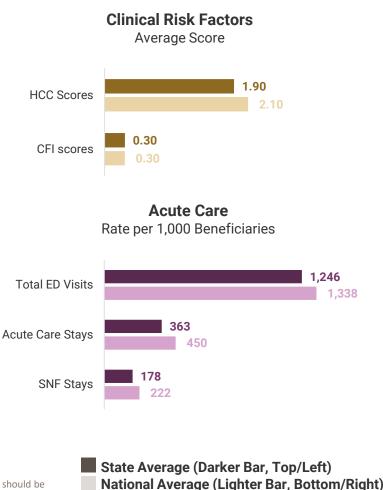
National Average (Lighter Bar, Bottom/Right)

In **Ohio**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



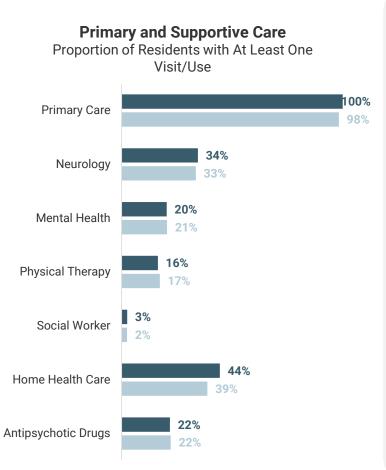


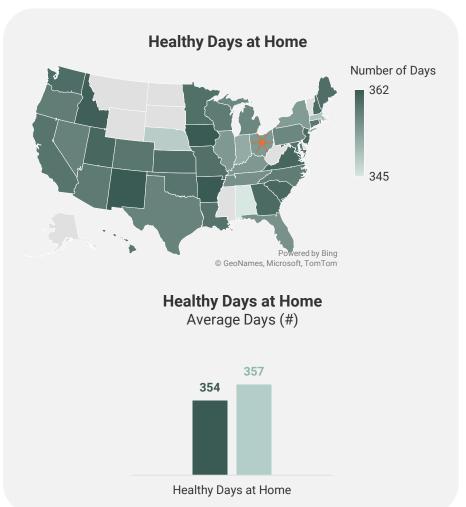


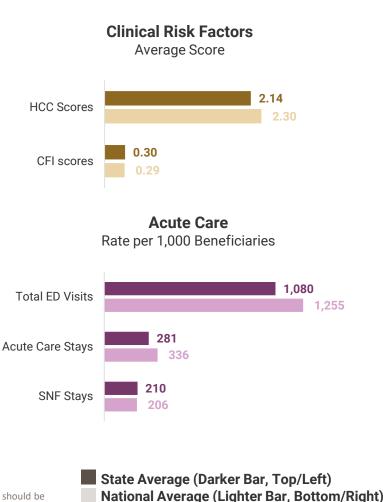


In **Ohio**, MA-covered senior housing residents with NDD had lower rates of ED visits than the national average



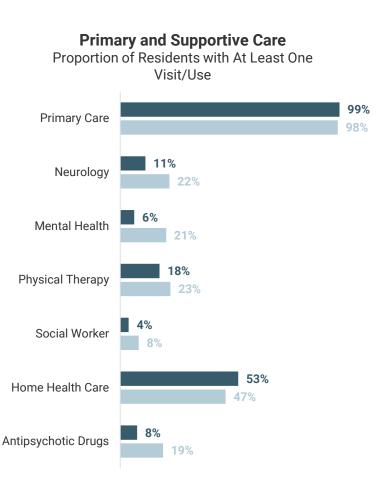


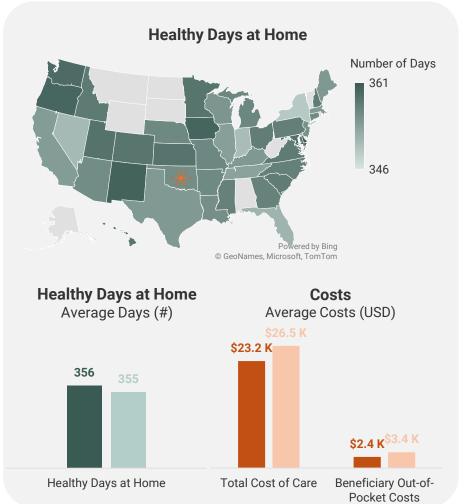


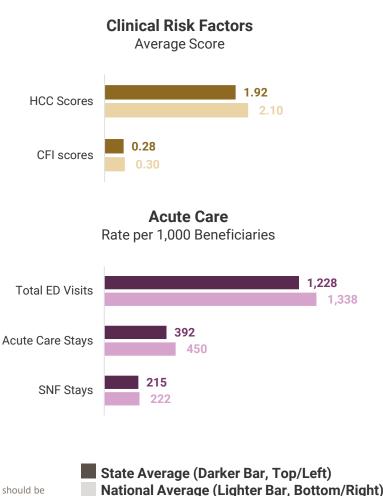


In **Oklahoma**, FFS-covered senior housing residents with NDD less frequently had at least one mental health visit than the national average



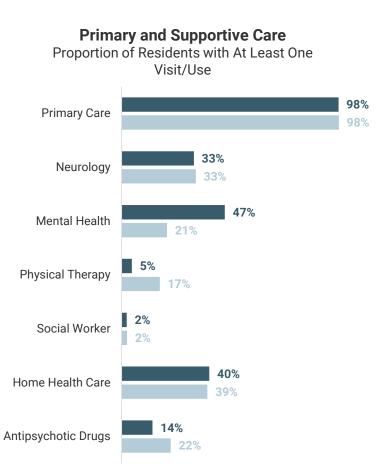


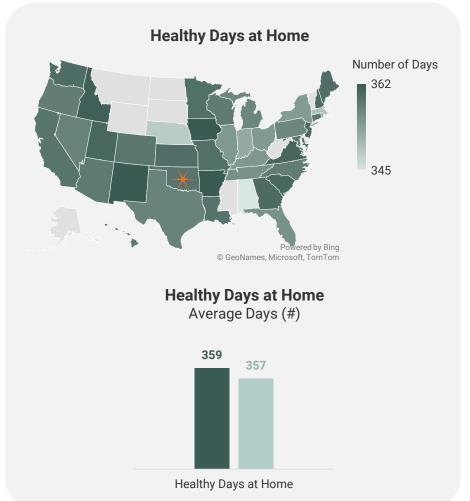


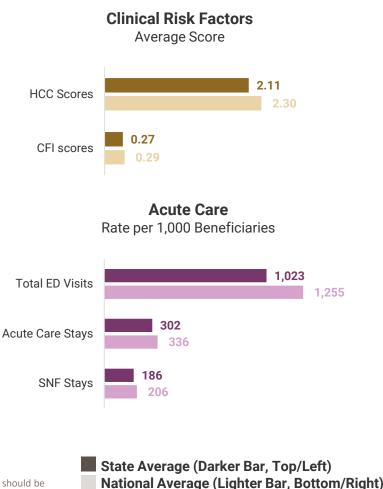


In **Oklahoma**, MA-covered senior housing residents with NDD more frequently had at least one mental health visit than the national average



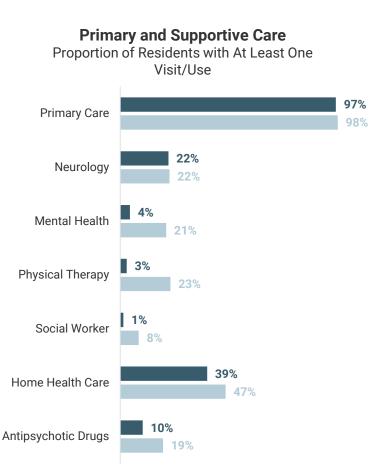


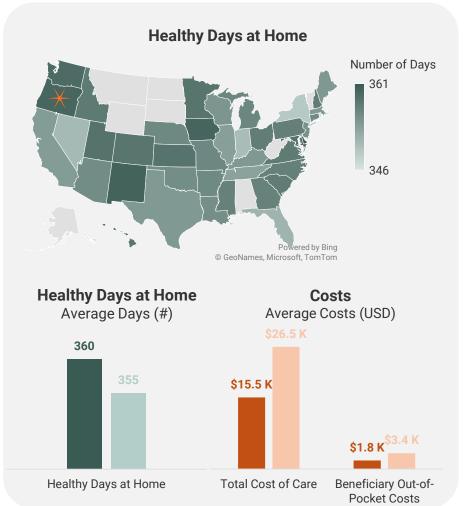


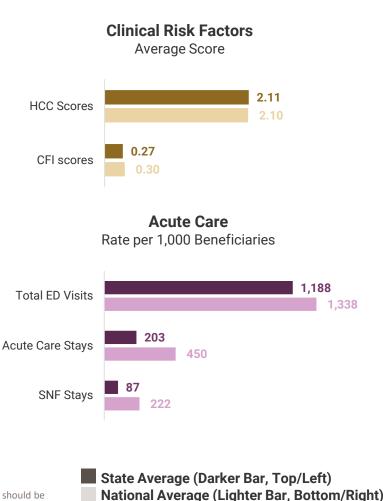


In **Oregon**, FFS-covered senior housing residents with NDD have lower rates of acute care stays than the national average



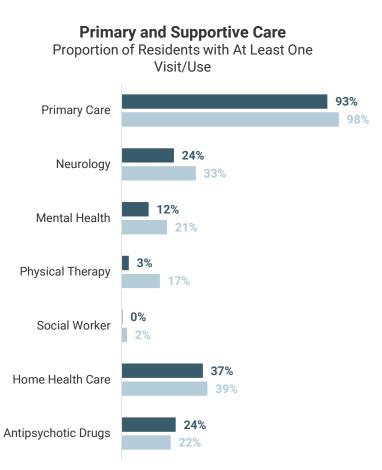


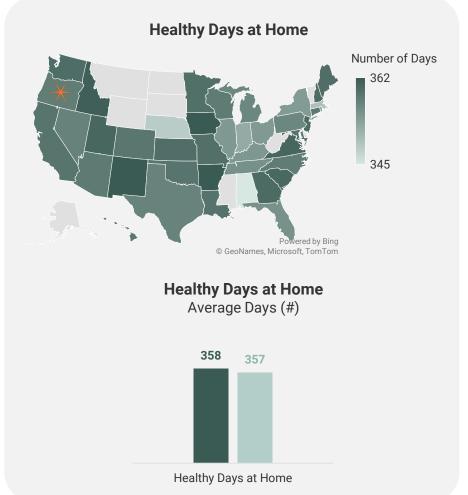


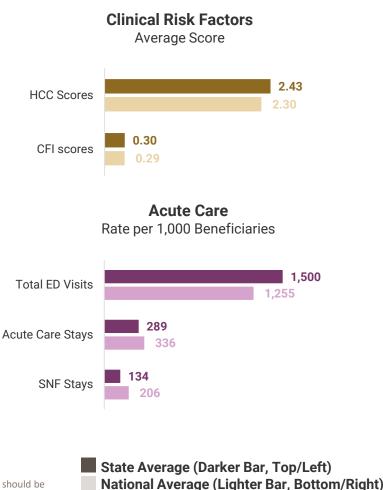


In **Oregon**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



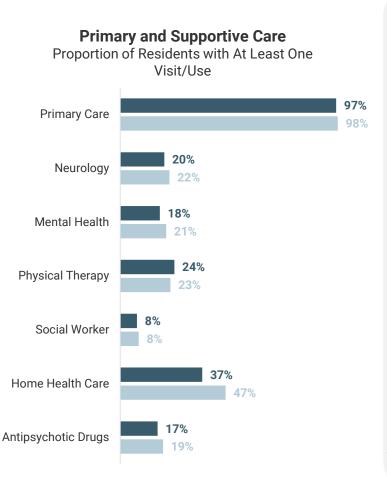


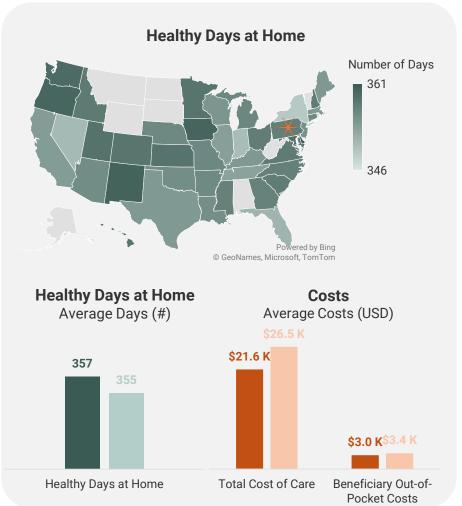


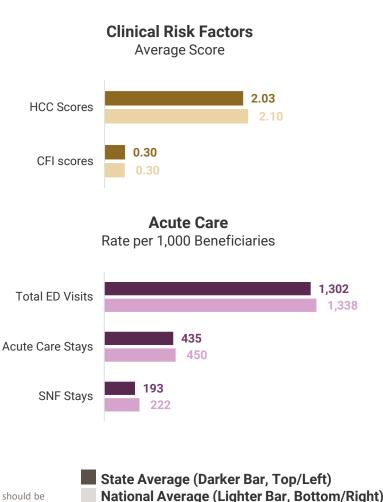


In **Pennsylvania**, FFS-covered senior housing residents with NDD less frequently had at least one home health visit than the national average

FFS

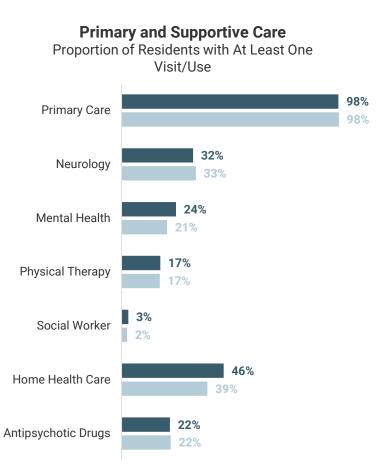


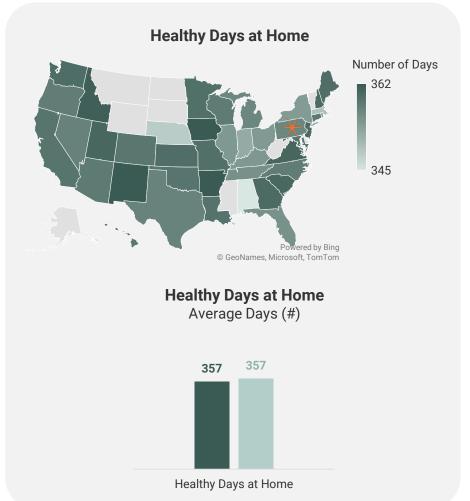


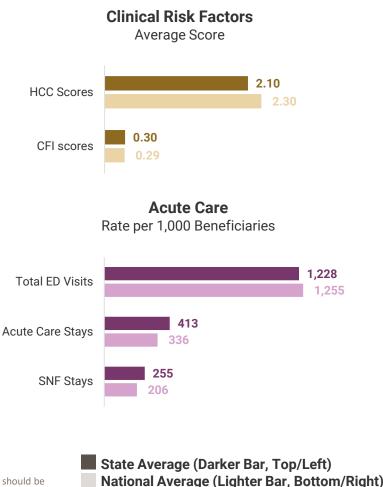


In **Pennsylvania**, MA-covered senior housing residents with NDD more frequently had at least one home health visit than the national average



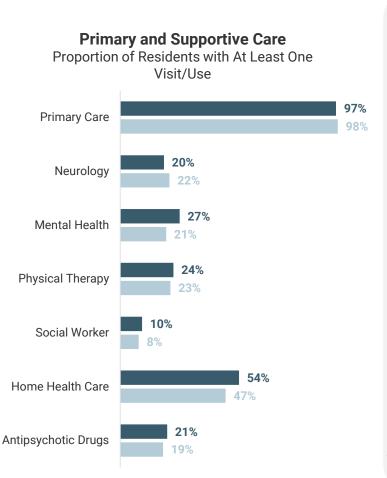


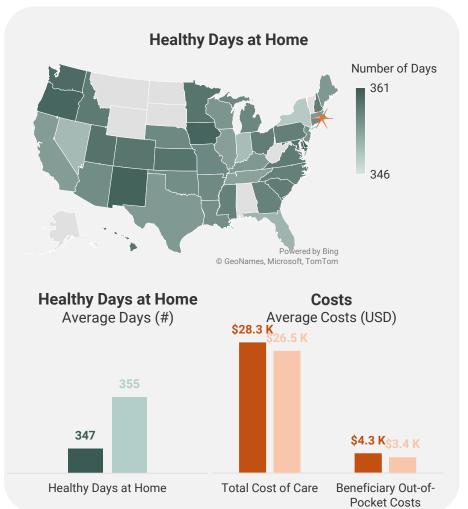


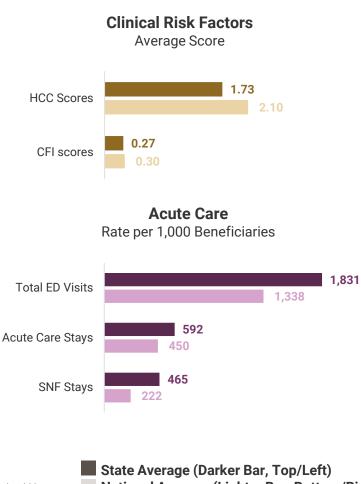


In Rhode Island, FFS-covered senior housing residents with NDD had higher rates of SNF stays than the national average





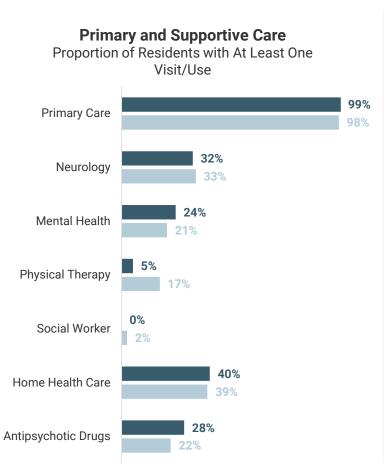


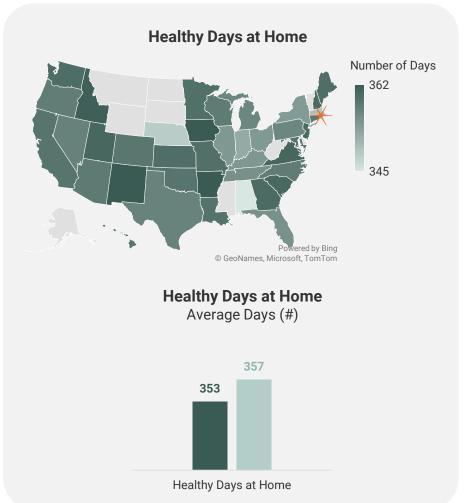


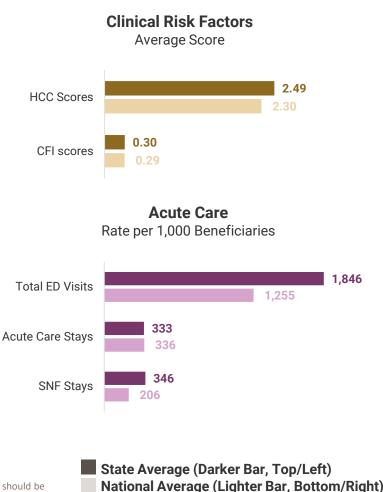
National Average (Lighter Bar, Bottom/Right)

In **Rhode Island**, MA-covered senior housing residents with NDD more frequently had at least one physical therapy visit than the national average



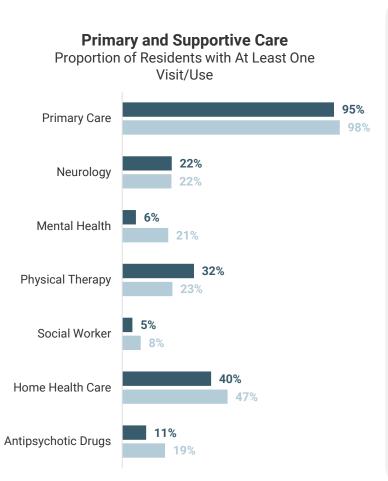


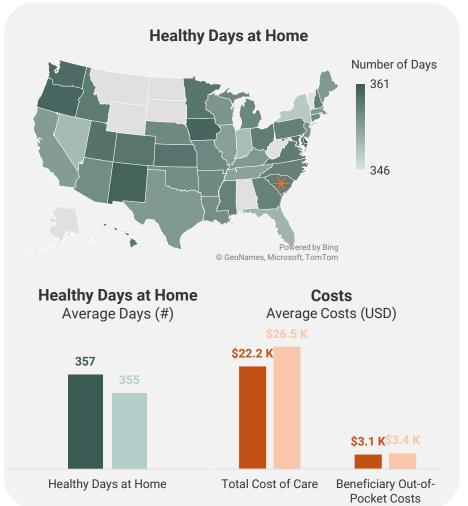


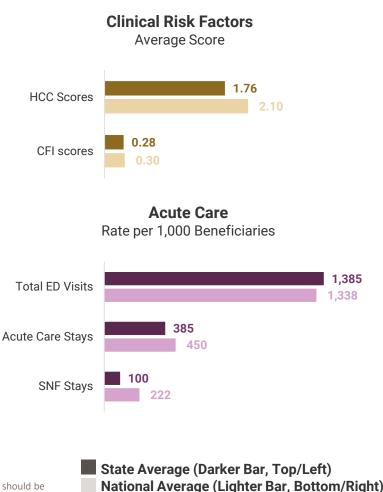


In **South Carolina**, FFS-covered senior housing residents with NDD had lower rates SNF stays than the national average



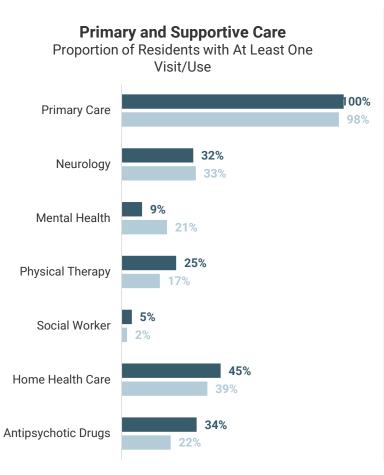


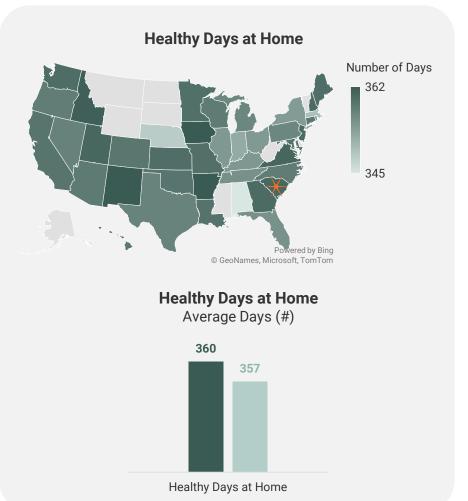


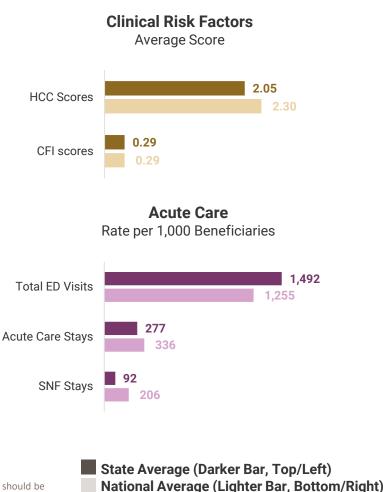


In **South Carolina**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



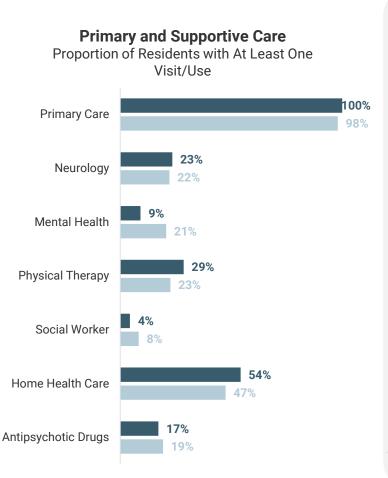


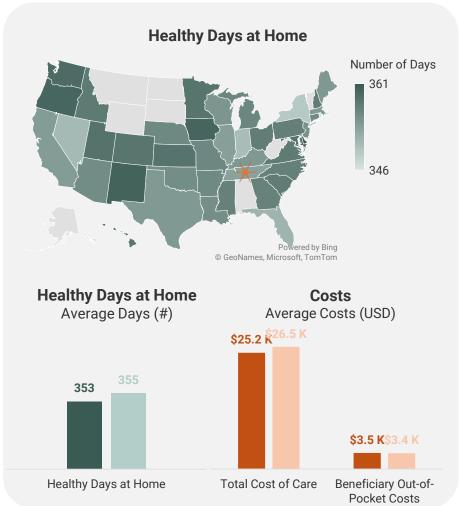


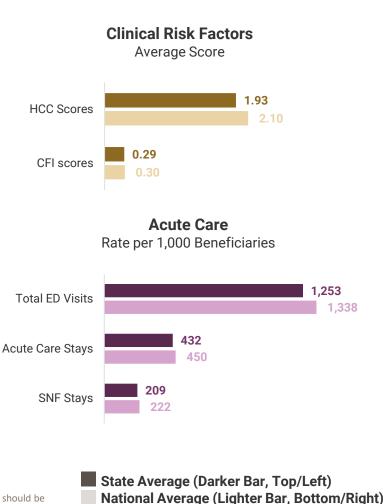


In **Tennessee**, FFS-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



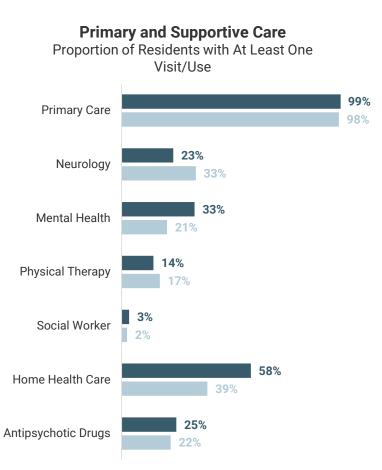


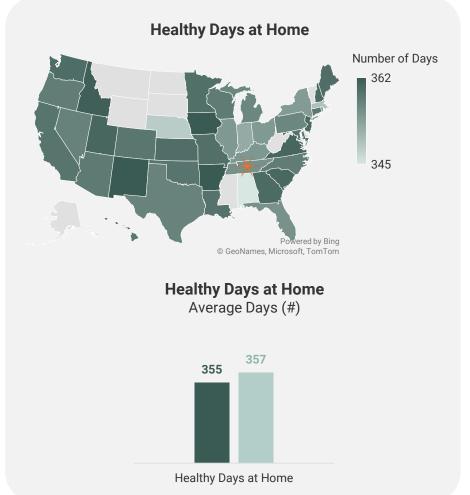


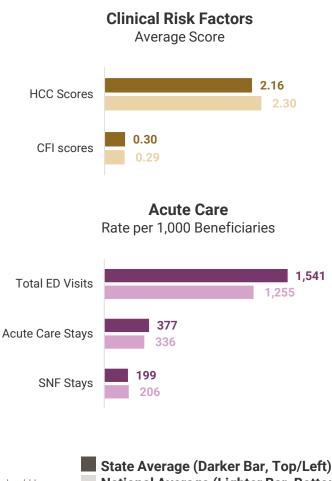


In **Tennessee**, MA-covered senior housing residents with NDD more frequently had at least one mental health visit than the national average





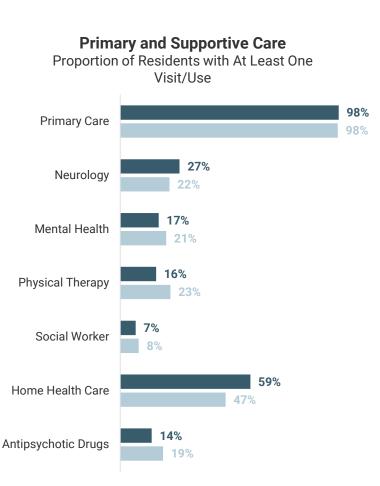


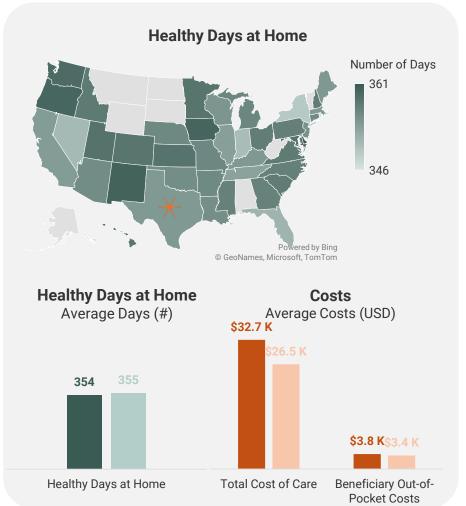


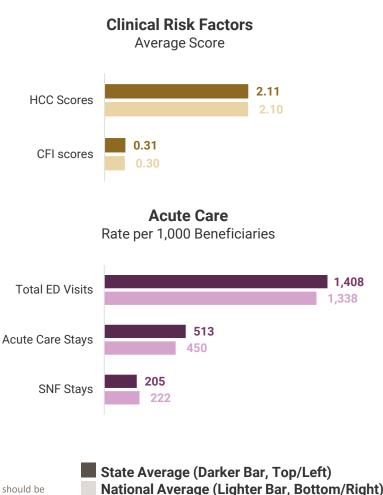
National Average (Lighter Bar, Bottom/Right)

In **Texas**, FFS-covered senior housing residents with NDD more frequently had at least one neurology visit than the national average



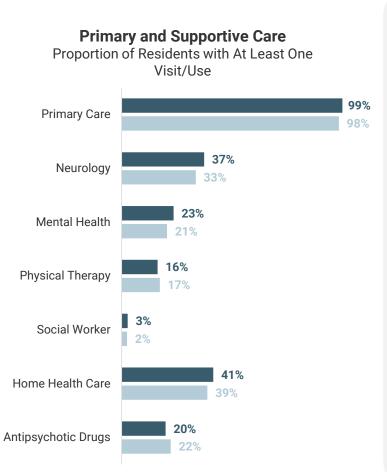


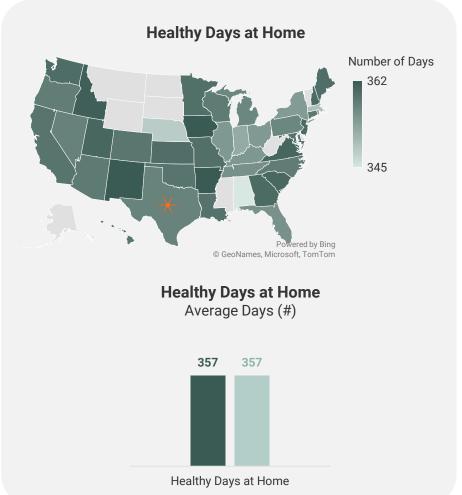


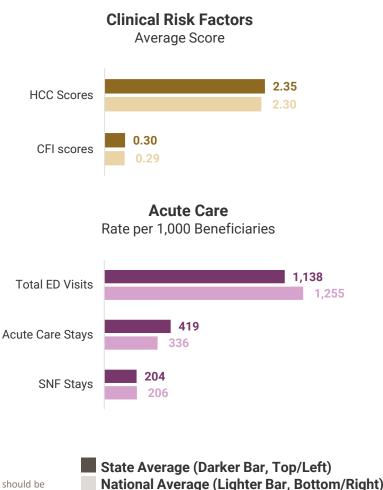


In **Texas**, MA-covered senior housing residents with NDD more frequently had at least one primary care visit than the national average



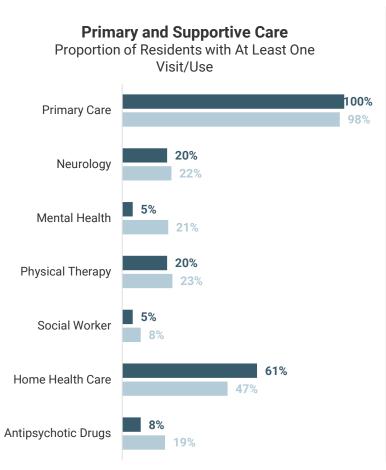


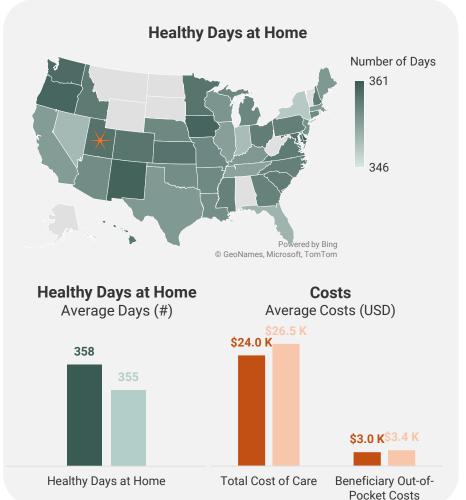


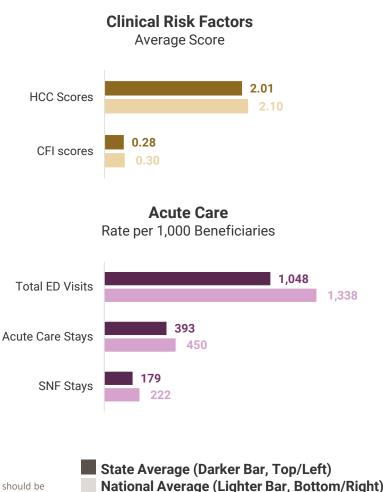


In **Utah**, FFS-covered senior housing residents with NDD had lower rates of ED visits than the national average

FFS

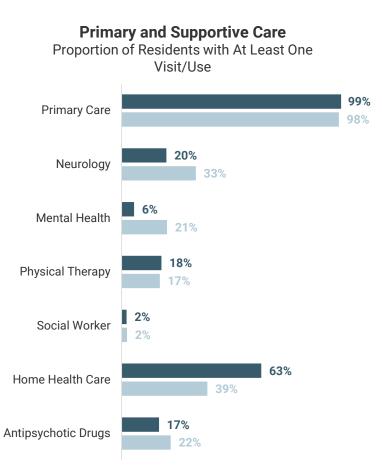


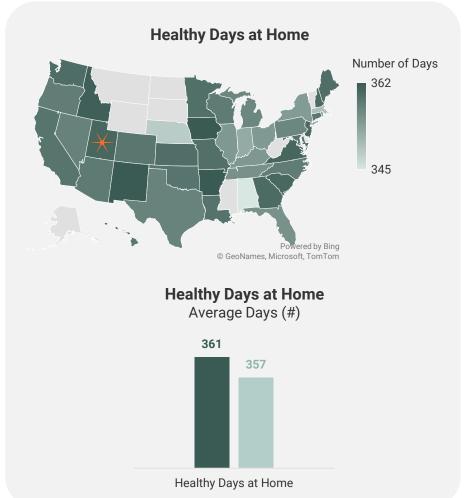


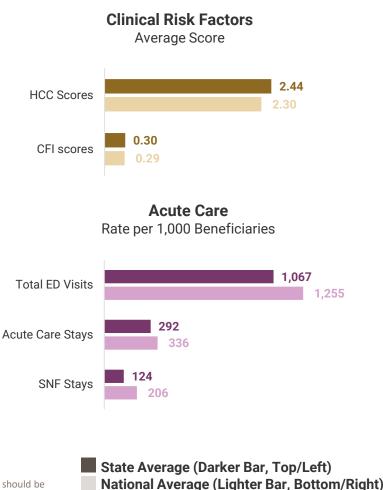


In **Utah**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



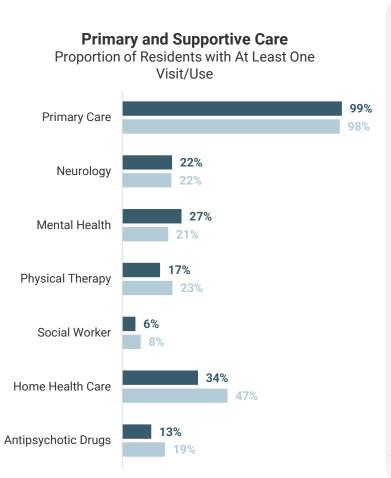


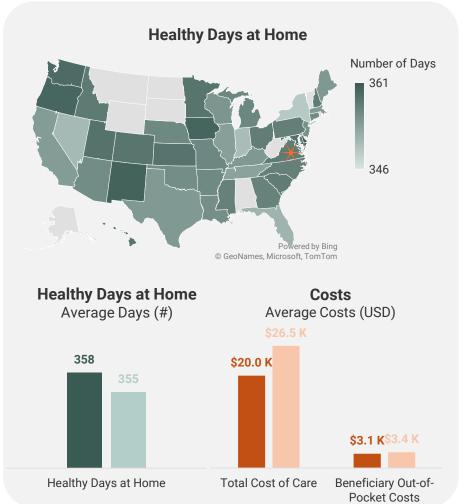


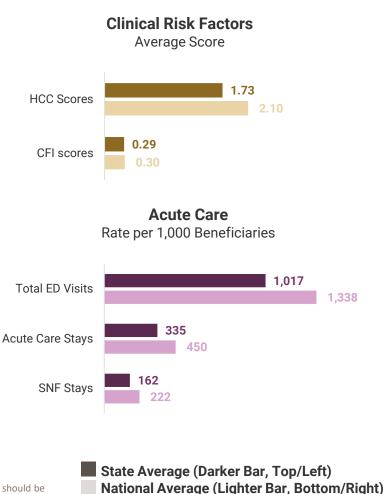


In **Virginia**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average



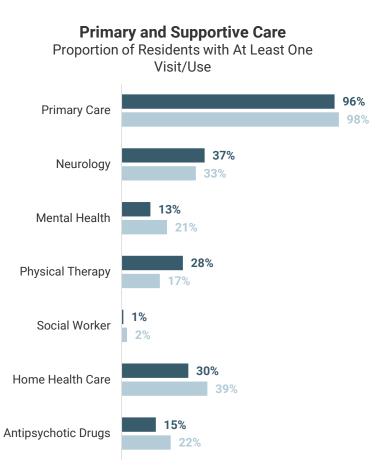


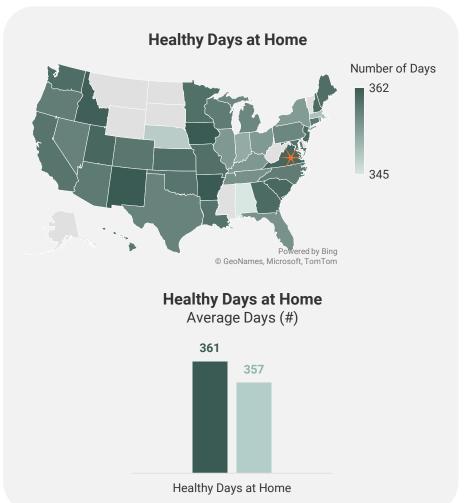


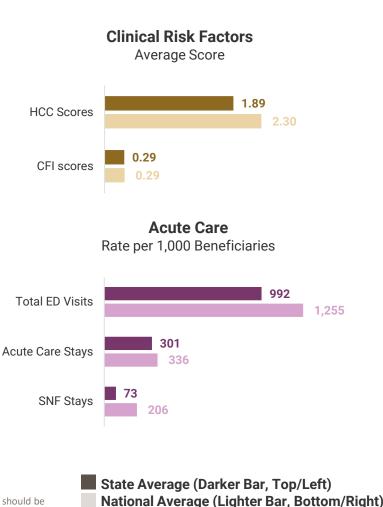


In **Virginia**, MA-covered senior housing residents with NDD had lower rates of SNF stays than the national average



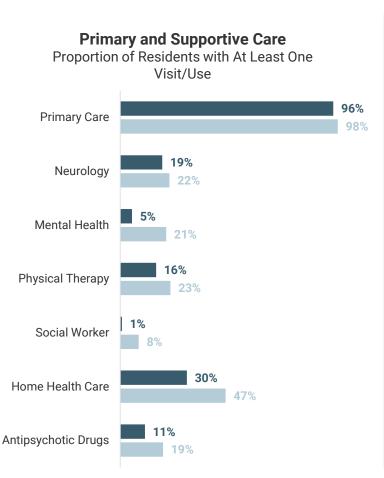


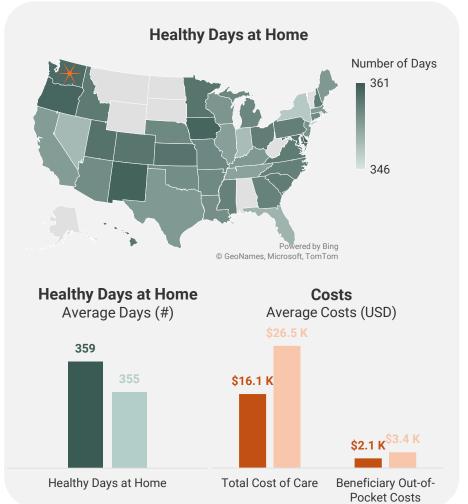


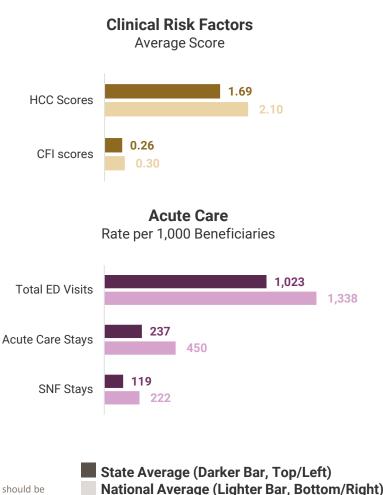


In **Washington**, FFS-covered senior housing residents with NDD had lower rates of acute care stays than the national average

FFS

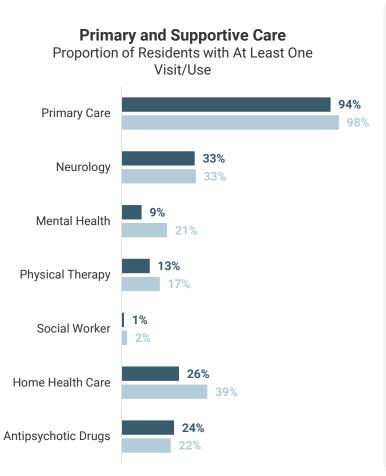


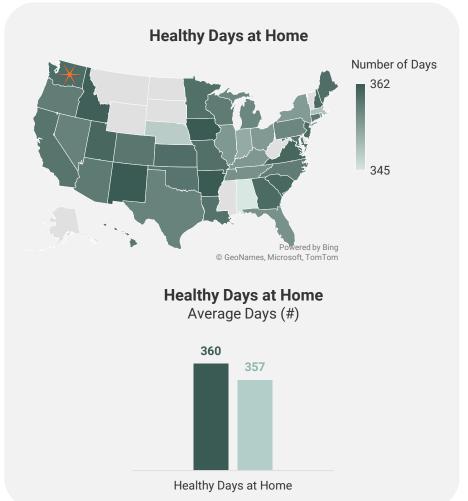


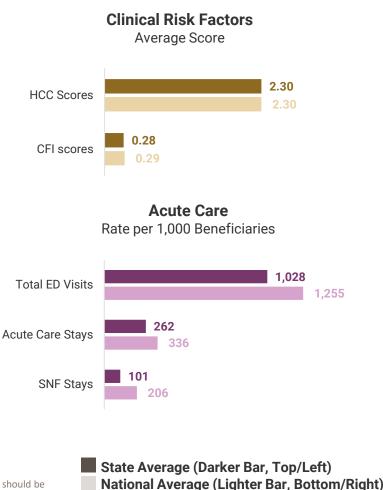


In **Washington**, MA-covered senior housing residents with NDD had lower rates of acute care and SNF stays than the national average



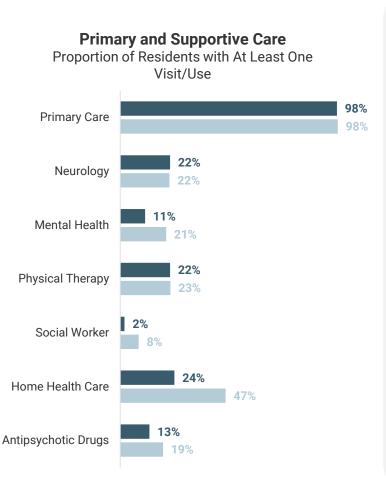


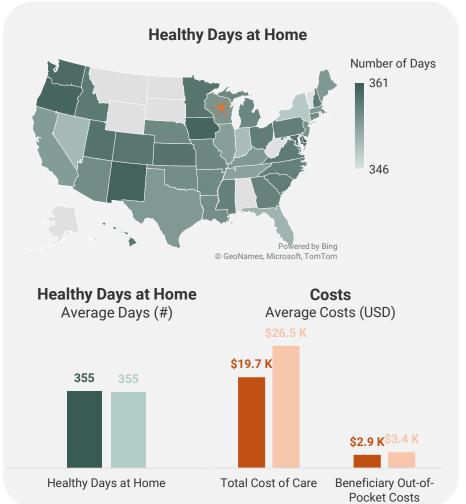


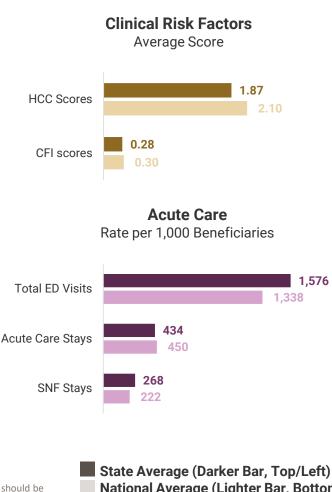


In **Wisconsin**, FFS-covered senior housing residents with NDD less frequently had at least one home health visit than the national average





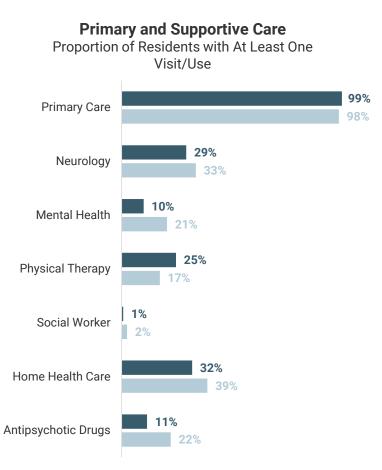


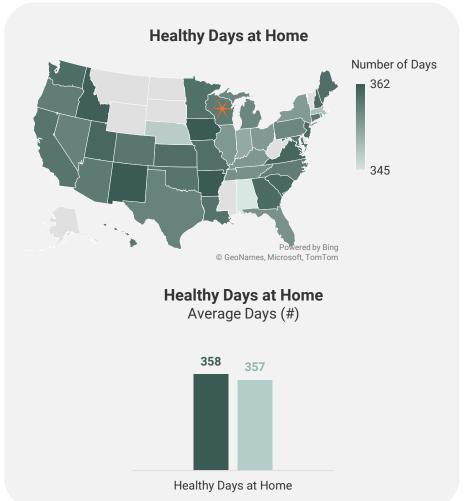


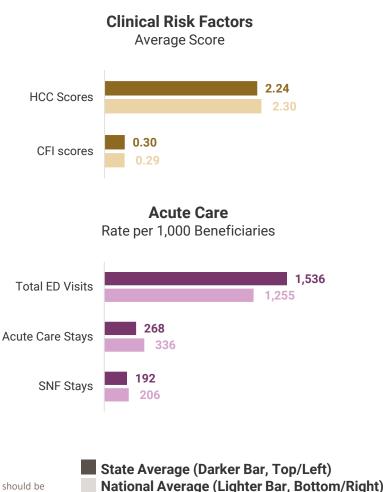
National Average (Lighter Bar, Bottom/Right)

In **Wisconsin**, MA-covered senior housing residents with NDD had higher rates of ED visits than the national average









Thank you.

Dianne MunevarVice President

munevar-dianne@norc.org

