



National Study of Adult Day Services

Research Team

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Project Overview

National Study of Adult Day Services

Background

- To determine the state of the field, **The Robert Wood Johnson Foundation** awarded the **Wake Forest University School of Medicine** a \$400,000 grant to assess the scope and adequacy of adult day services in the United States. This national study is the first of such magnitude.

Scope of Work

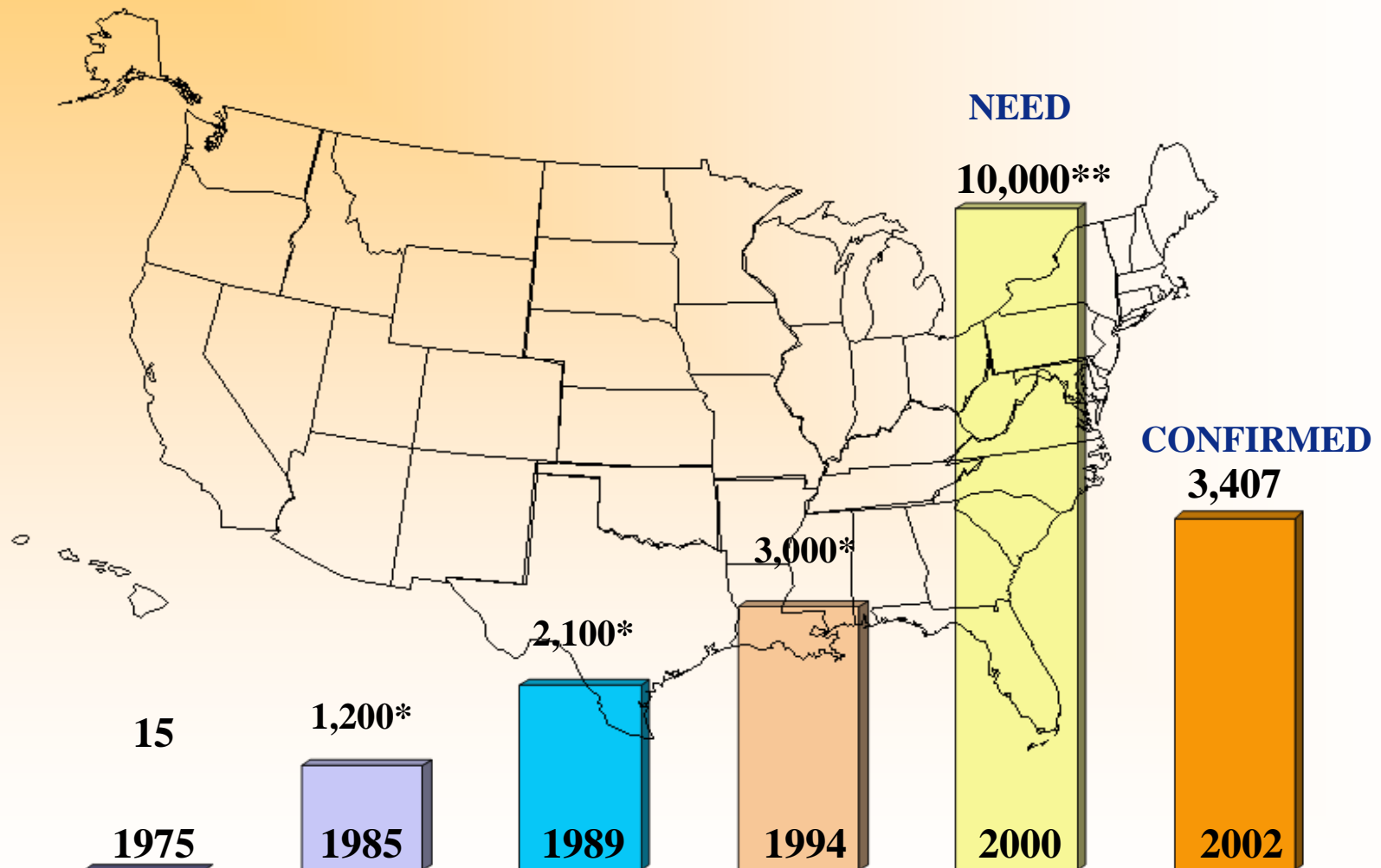
- Conduct a census of adult day service providers
- Survey all providers
- Identify gaps in the current service delivery system
 - availability gaps
 - utilization gaps



Census/Survey

National Study of Adult Day Services

Adult Day Center Census



* Published estimates from NCOA/NIAD

**Partners in Caregiving estimate of need

Adult Day Center Locations



Total Centers	
US	3,407
Urban	2,638
Rural	769

Adult Day Center Census/Survey Results

	# of Centers	Response Rate
Potential Adult Day Centers	4,713	---
Verified Centers	3,407	---
Completed Surveys	1,771	52%
Completed Telephone Interviews with Non-Responders (No Systematic Bias Detected)	635	71%

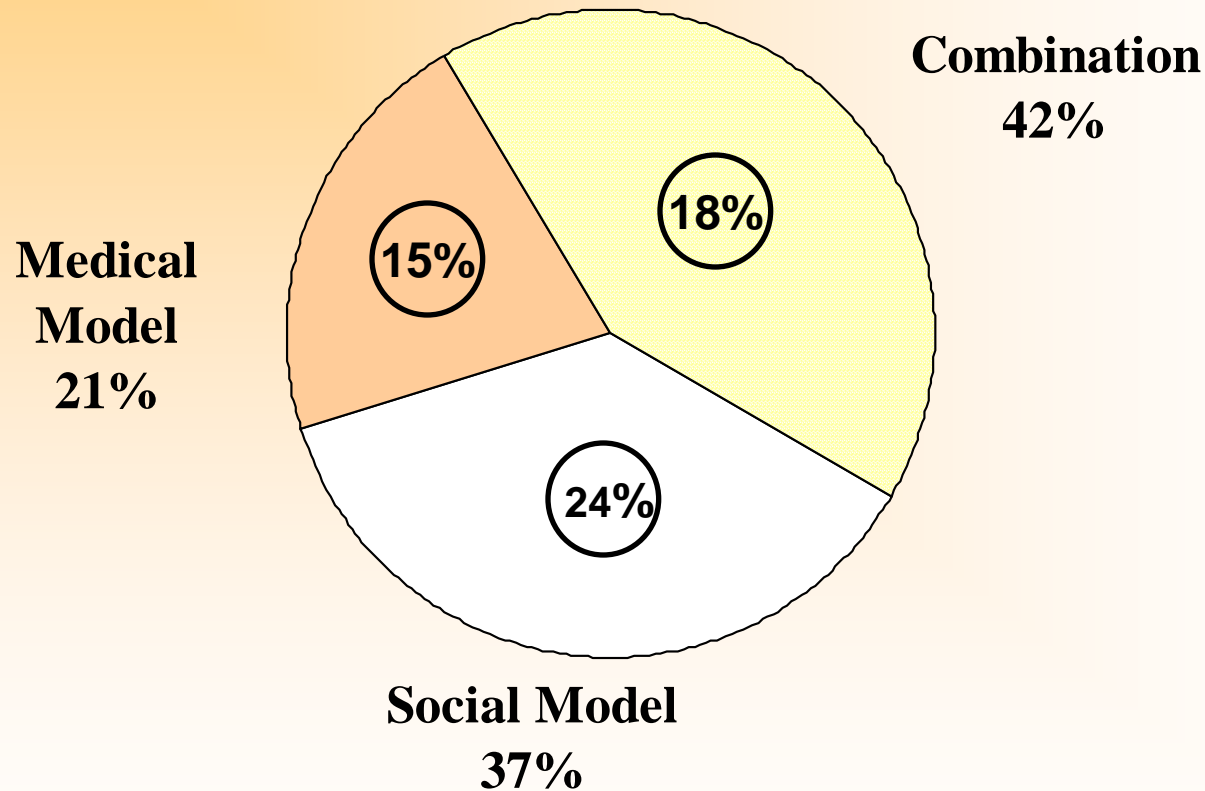



Key Findings

National Study of Adult Day Services

Adult Day Center Profile

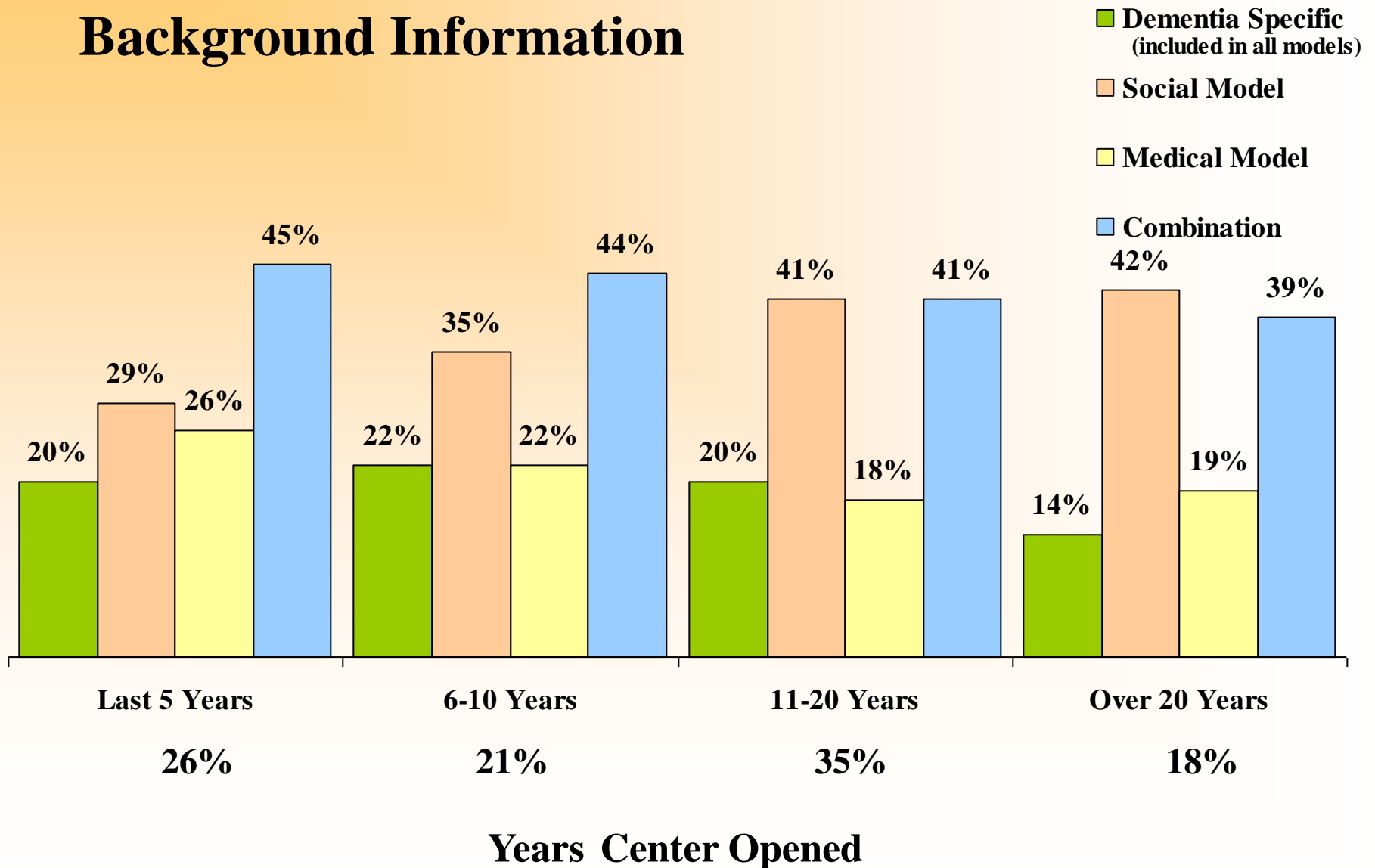
Model



 *Percent of dementia-specific day centers*
Overall, 20% of all centers are dementia-specific

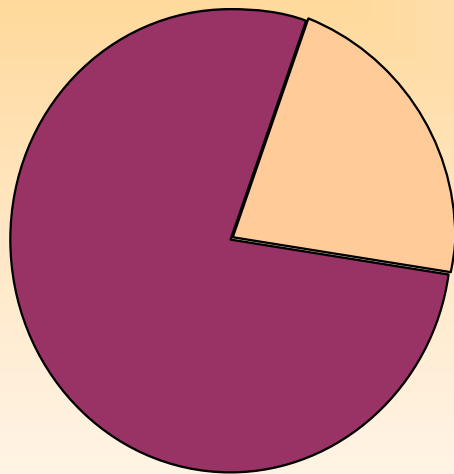
Adult Day Center Profile

Background Information



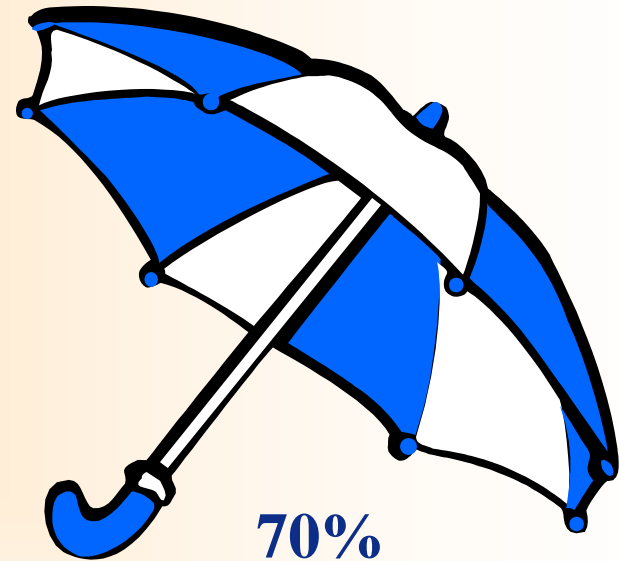
Adult Day Center Profile

Background Information



Not-for-Profit
78%

For-Profit
22%



70%

UNDER PARENT ORGANIZATION

- #1 Nursing Home (17%)**
- #2 Multi-Service Senior Service Organization (13%)**
- #3 Religious Organization (10%)
Hospital (10%)**

Adult Day Center Profile

Top 3 Problems

Adequate Funding

**Recruiting/Retaining
Qualified Staff**

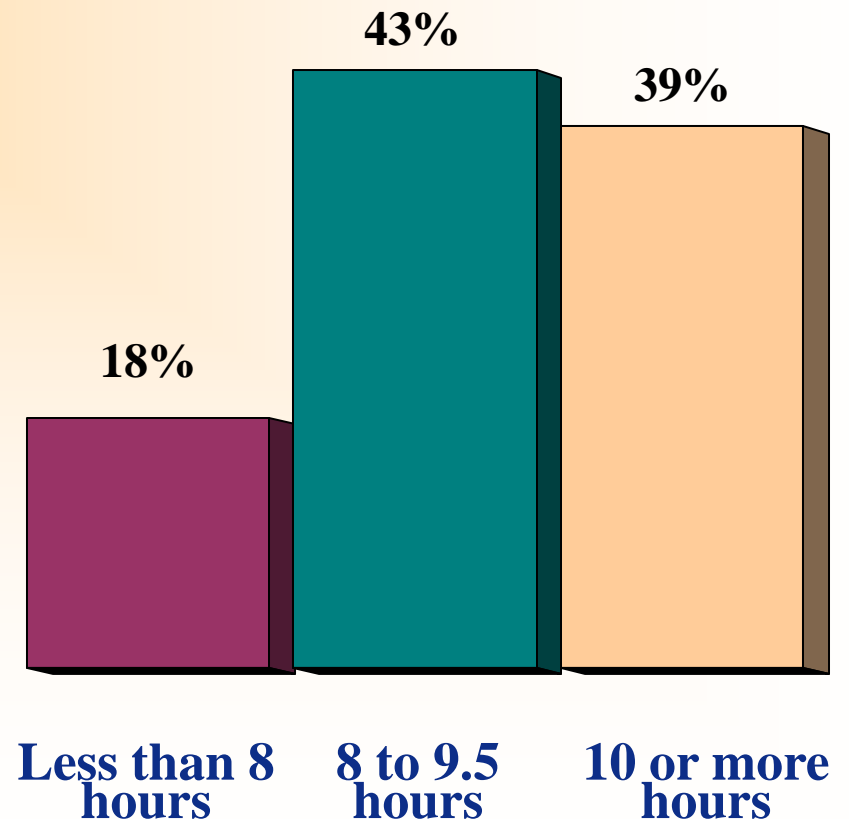
**Maintaining
Census/Attendance**

Adult Day Center Profile

Operation and Utilization

Days Centers Are Open	
6%	Less than 5 days a week
77%	5 days
11%	6 days
6%	7 days

Regular Weekday Hours



Adult Day Center Profile

Operation and Utilization

Average Day Center Size	
Enrollment	42
Daily Attendance	25
Capacity	38

Adult Day Center Profile

Staffing

Direct Care Ratio

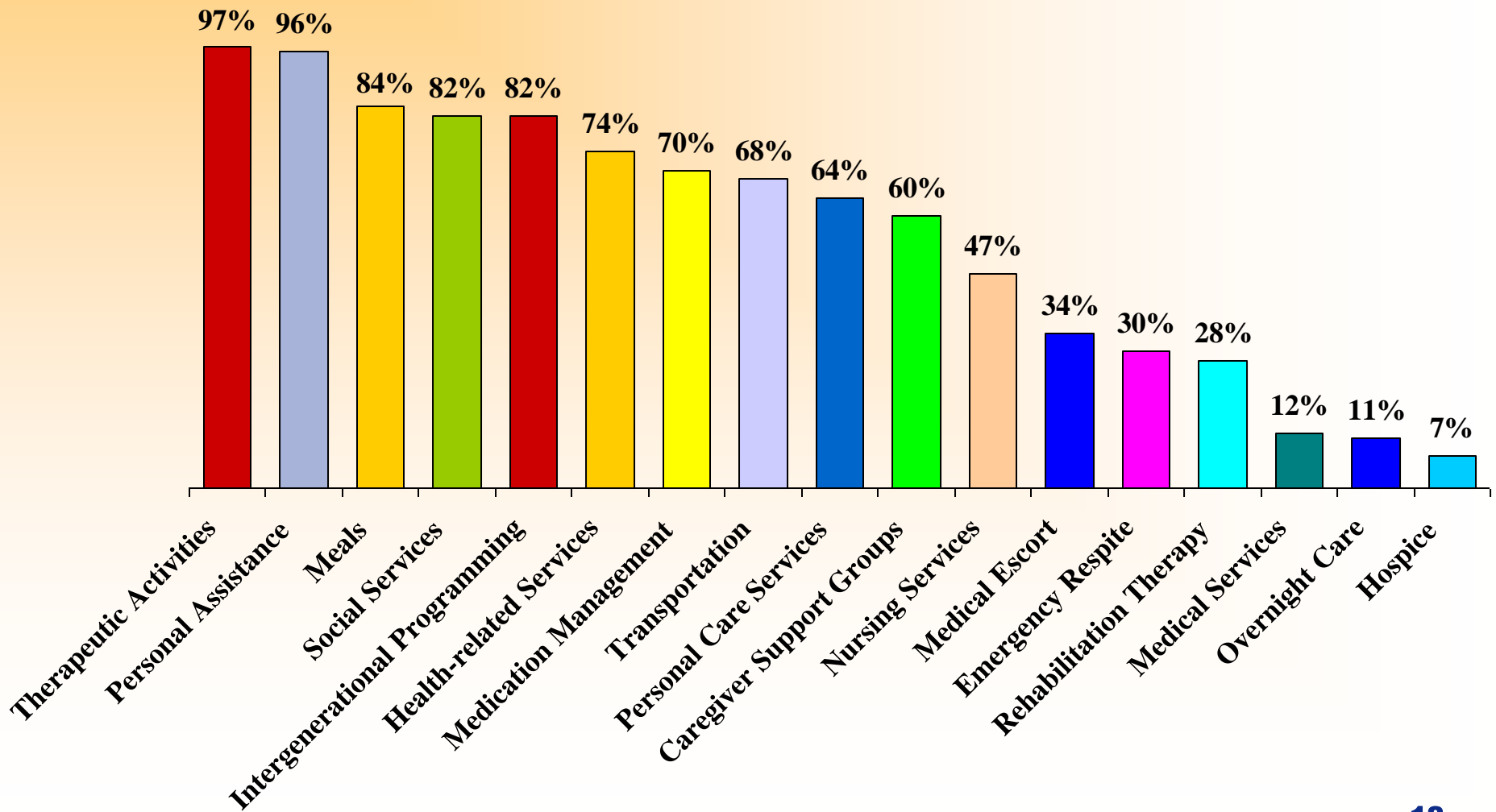
Mean 1:8

Median 1:6

1	Staff to	6.5	Participants	Dementia Specific
1	Staff to	7.3	Participants	Social Model
1	Staff to	7.8	Participants	Medical Model
1	Staff to	7.4	Participants	Combination

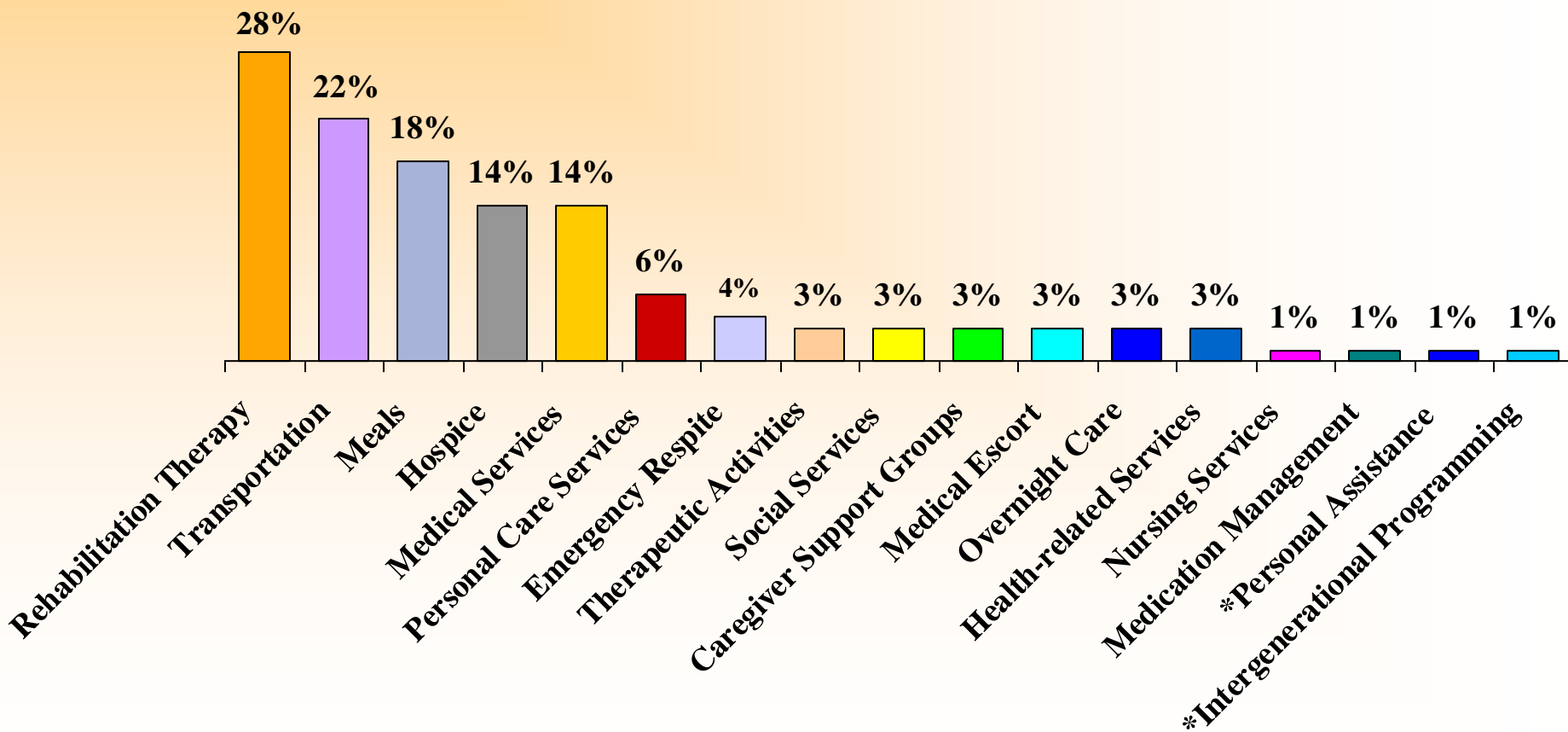
Adult Day Center Services

Services Provided - % of Centers



Adult Day Center Services

Contract Out - % of Centers



*Less than 1%

Adult Day Center Participant Profile

Total Age Range (18 – 109)

45

72

91

Average Youngest

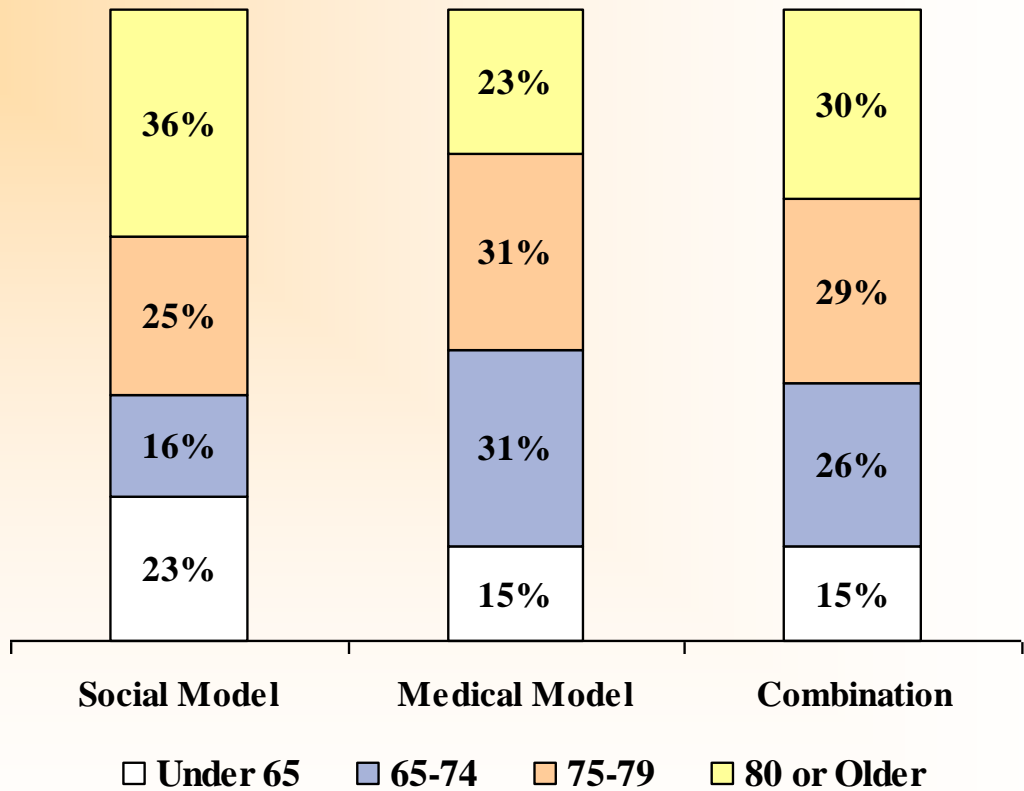
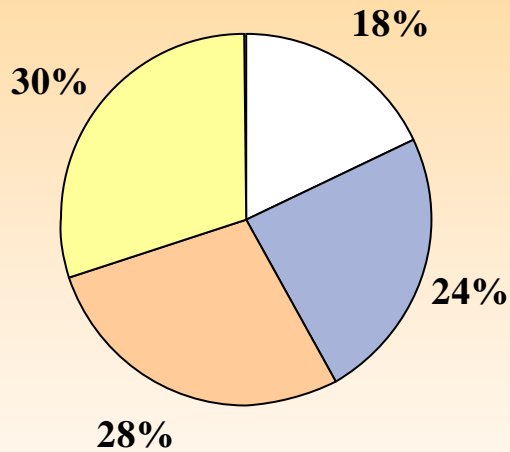
Average Age

Average Oldest

Adult Day Center Participant Profile

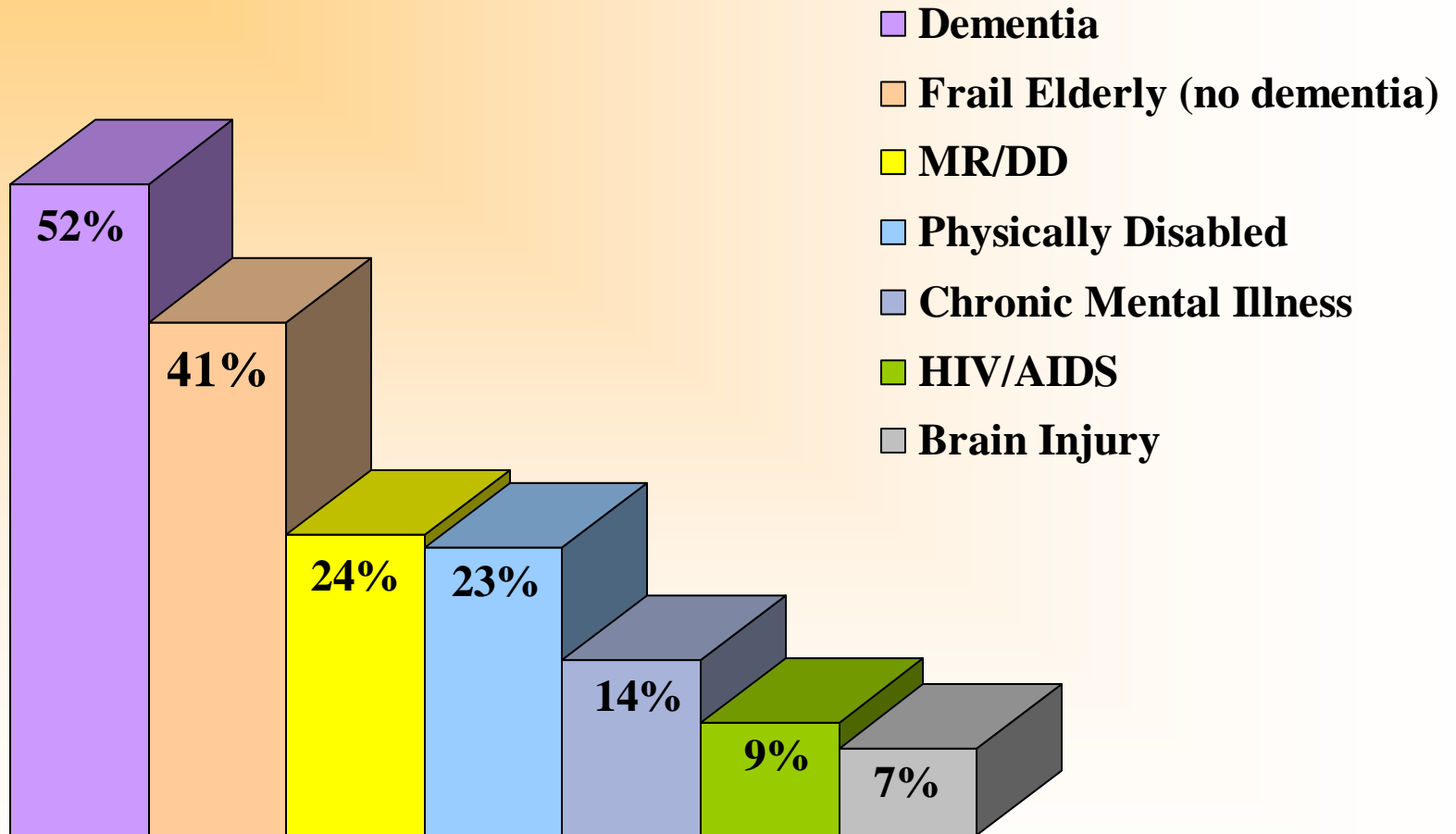
Average Age

Average Age (%)



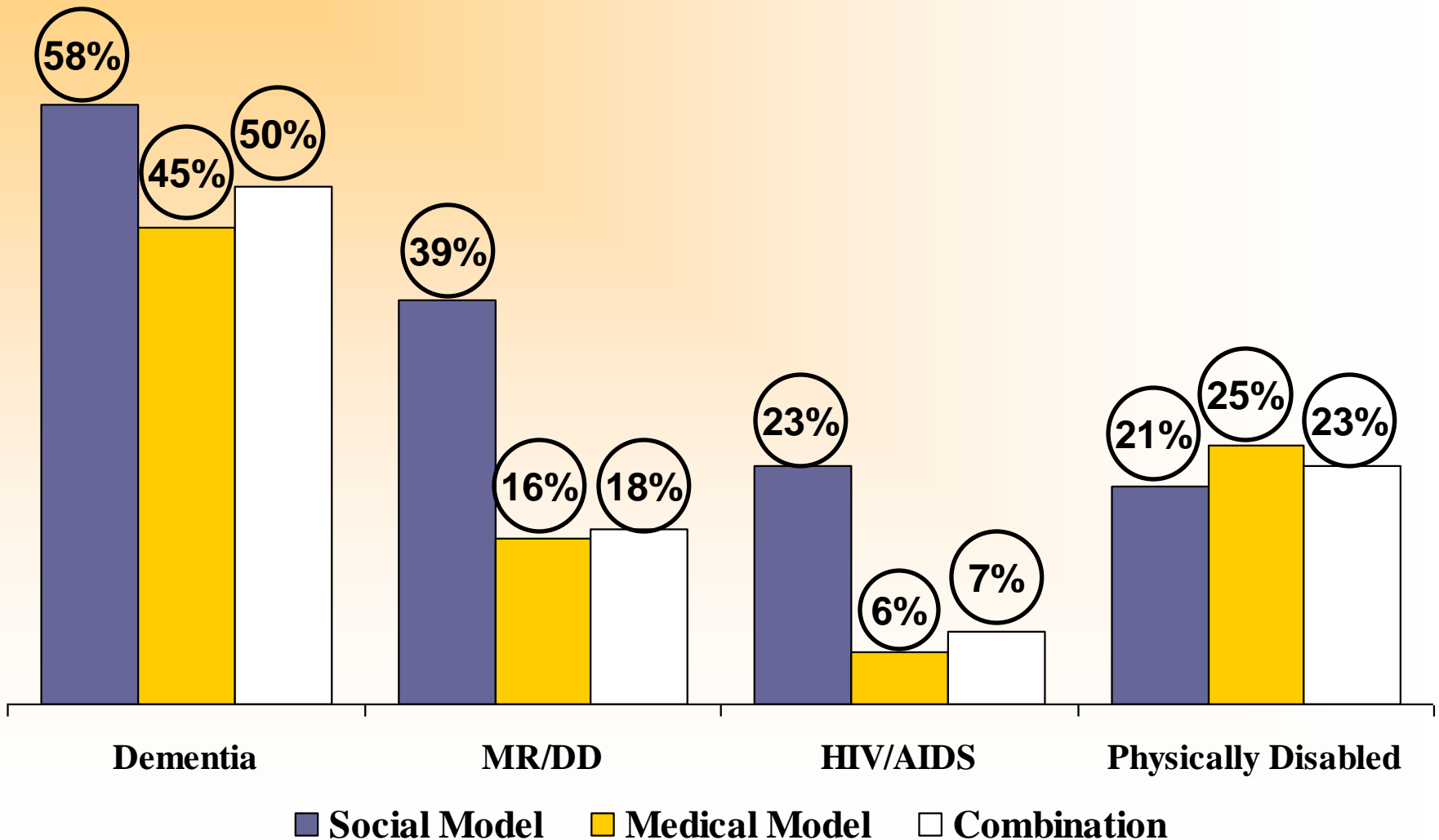
Adult Day Center Participant Profile

Condition/Diagnosis



Adult Day Center Participant Profile

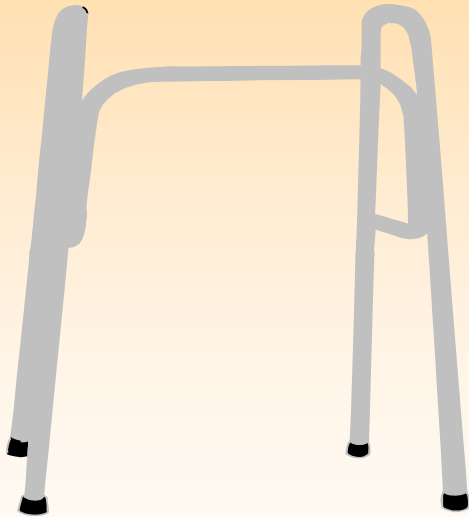
Condition/Diagnosis



Adult Day Center Participant Profile

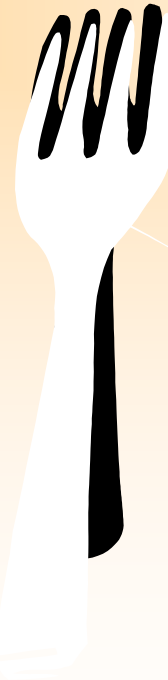
Activities of Daily Living - % Needing Assistance

37%



Walking

24%



Eating

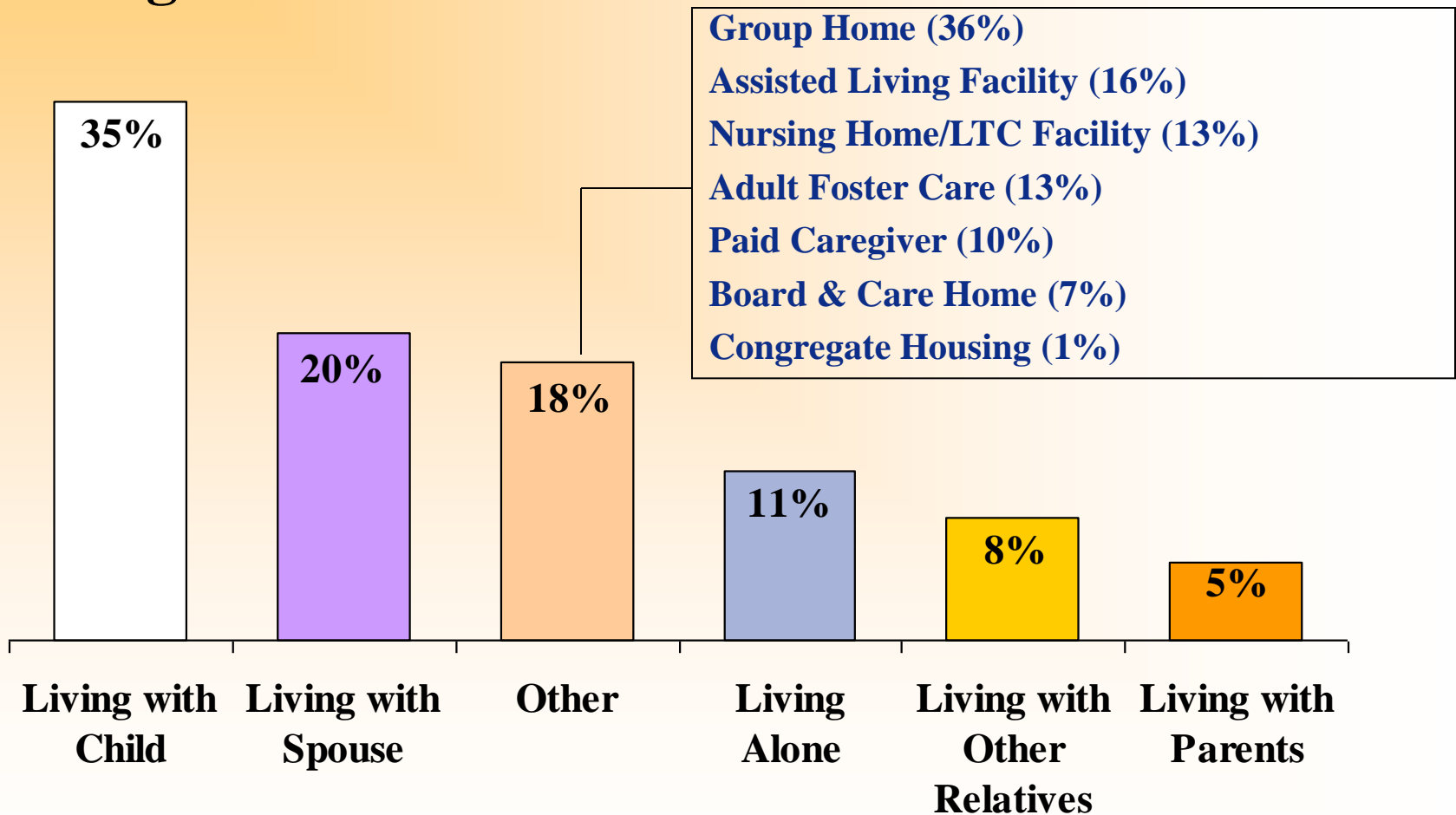
43%



Toileting

Adult Day Center Participant Profile

Living Situations



Adult Day Center Participant Profile

Average Length of Stay



2 Years



8 Years

Maximum



1 month

Minimum

Adult Day Center Participant Profile

Reasons for Discharge

A large, light beige, stylized number '1' with a rounded top and a wide base. The text is centered within the vertical stroke of the number.

**Placed in a
Residential Setting**

A large, light purple, stylized number '2' with a rounded top and a wide base. The text is centered within the upper loop of the number.

Death

A large, bright green, stylized number '3' with a rounded top and a wide base. The text is centered within the upper loop of the number.

**Decline in
Functional Status**

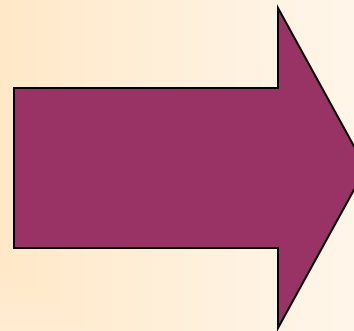
Adult Day Center Financial Profile

Unit Cost Calculation

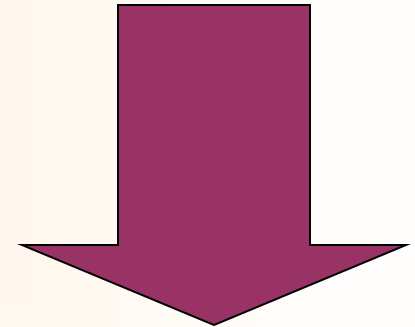


50% Yes

50% No



\$56/day



Social Model

\$54/day

Medical Model

\$59/day

Combination

\$57/day

Adult Day Center Financial Profile

Top Private Pay Fee (vs. Cost)

Social Model	\$42/day (\$54)
Medical Model	\$56/day (\$59)
Combination	\$45/day (\$57)

Adult Day Center Financial Profile

Revenue Sources

38%	Third-Party Public Reimbursements
35%	Private Pay
14%	Non Operating Revenue (e.g., grants, donations)
13%	Other Operating Revenue (e.g., ancillary services, private insurance)

Adult Day Center Financial Profile

Private Pay Revenue

Average Revenue from Private Pay (%)	
Social Model	43%
Medical Model	25%
Combination	35%
Under a Parent Organization	36%
Free Standing	32%
For-Profit	40%
Not-For-Profit	34%



35% Private Pay Revenue (Overall)

Adult Day Center Financial Profile

Financial Performance

(net operating revenue / total cash expenses)

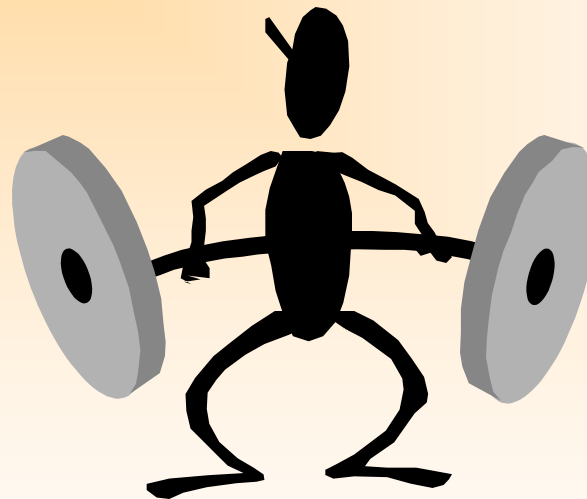
20%

(Low End)



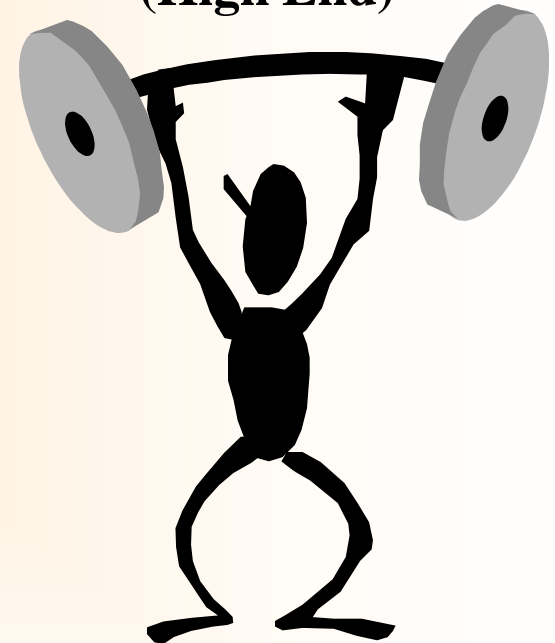
85%

(Average)

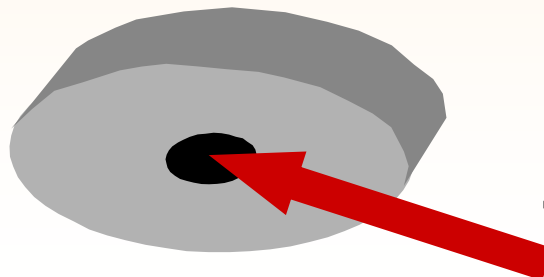


150%

(High End)



Deficit



44% of centers were in the hole

Adult Day Center Financial Profile

Factors Related to Financial Performance

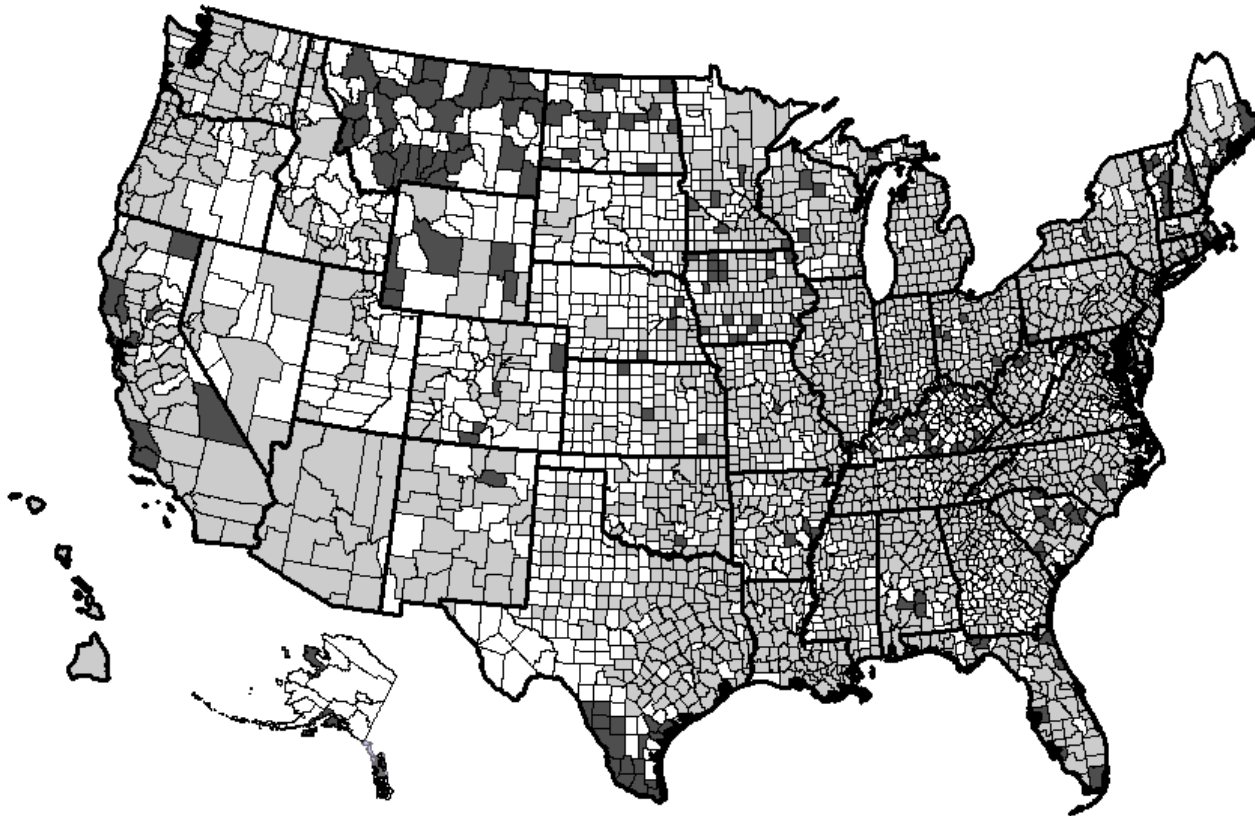
	Social	Medical	Combination
Cost	\$54	\$59	\$57
Fee	\$42	\$56	\$45
Annual Revenue	\$327,000	\$520,000	\$332,000
Medicaid Eligible Participants	36%	21%	42%
Hours Open (10+)	26%	35%	51%
Transportation	59%	78%	73%
Overall Enrollment	34	54	43
Average Daily Attendance/Capacity (ADA)	21/32	32/45	25/40
Utilization Rate (ADA Capacity)	66%	71%	63%
Financial Performance	79%	88%	89%






Service Gaps

National Study of Adult Day Services

Adult Day Center Service Gaps



Legend

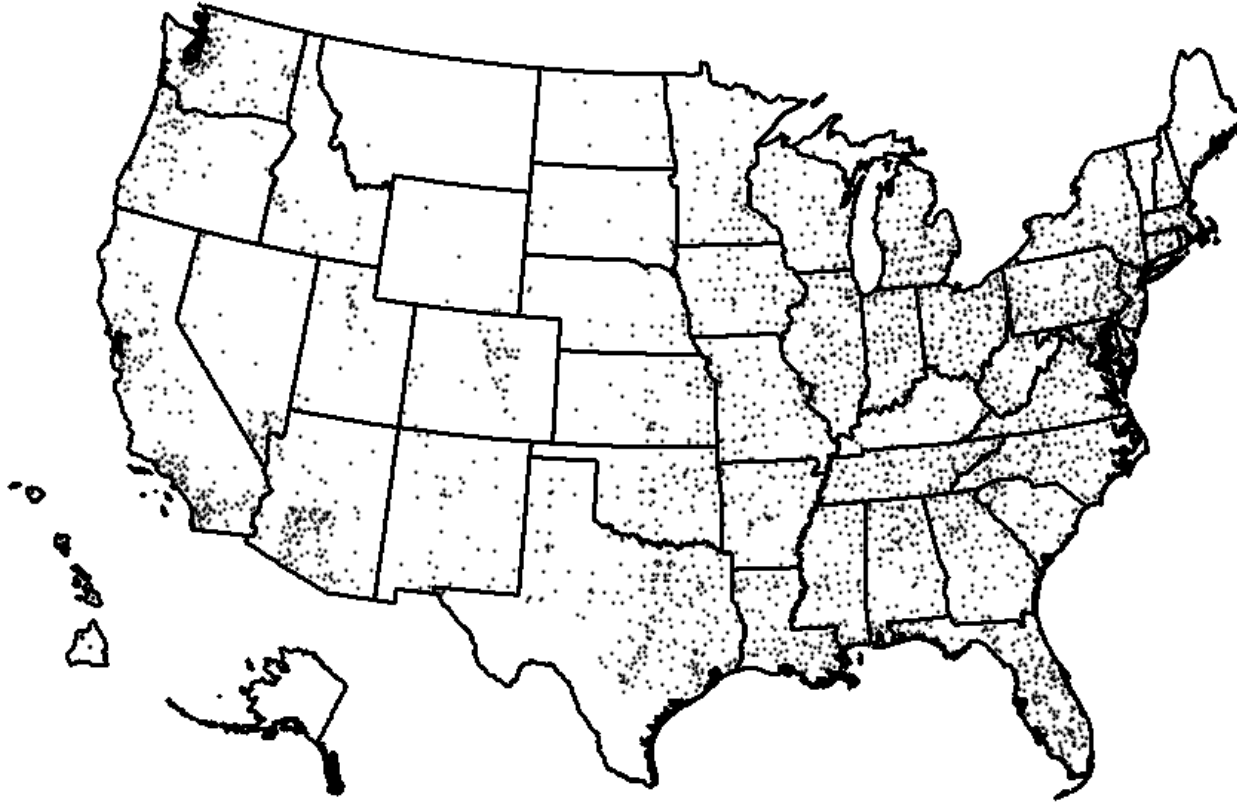
-  Under Served Counties: 2,329 Confirmed Centers; 5,415 New Centers Needed
-  Counties in Equilibrium: 454 Confirmed Centers
-  Counties in Excess Capacity: 624 Confirmed Centers

Service Gaps: Availability Gaps & Utilization Gaps

Summary by County

	Total	Urban	Rural
Under Served Counties	1,770	705	1,065
Counties in Equilibrium	1,171	91	1,080
Counties with Excess Capacity	200	34	166
Total Counties	3,141	830	2,311

New Adult Day Centers Needed



Total Centers	
US	5,415
Urban	3,991
Rural	1,424

New Adult Day Centers Needed

# of Centers Needed in:	Total	Urban	Rural
Under Served Counties/Utilized Centers	1,898	1,816	82
Under Served Counties/Under Utilized Centers	1,835	1,666	169
Under Served Counties/No Centers	1,682	509	1,173
Total Centers Needed	5,415	3,991	1,424

5,415 New Centers Needed

x 38 Slots/Center (Average Center Capacity of 38)

205,770 New Slots Needed/Day

Year 2002

8,520 Total Adult Day Centers

U.S. Population Base Can Support

3,407 Confirmed Adult Day Centers

5,415 New Adult Day Centers Needed