



# INTRODUCTION

*Across the States 2012: Profiles of Long-Term Services and Supports* is the ninth edition of the AARP Public Policy Institute's state long-term services and supports reference report.

This short report provides key long-term services and supports information for a single state. Complete data for all states are contained in the full report and executive summary.

Published for the past 18 years, the *Across the States* series was developed to help inform policy discussions among public and private sector leaders in long-term services and supports throughout the United States. *Across the States 2012* presents comparable state-level and national data for more than 140 indicators, drawn together from a wide variety of sources into a single reference. This publication presents up-to-date data and is displayed in easy-to-use maps, graphics, tables, and state profiles.

*Across the States 2012* comes in two volumes:

- A full report with an overview of key findings and trends, maps and graphs, and individual profiles for each state, the District of Columbia, and the nation as a whole. The full report provides a comprehensive picture of long-term services and supports in each state.
- An executive summary with an overview of key findings and trends, and ranking tables for each indicator, such as percentage of Medicaid long-term services and supports spending for older people and adults with physical disabilities going to home and community-based services. This permits readers to easily see variations among states.

Some of the indicators in *Across the States 2012* may be found in prior editions. Please exercise caution when making comparisons with information in earlier editions due to changes in the source or definition. Complete descriptions of all indicators, and how they may differ from previous editions, can be found in the Data Documentation section in the back of the full report. Data sources and descriptions of indicators are only found in the full report, not in the executive summary.

Additional indicators on health care spending, health status, and health care utilization for the age 50+ population can be found in another AARP Public Policy Institute report, *Quick Health Facts 2010: Selected State Data on Older Americans*.

Copies of *Across the States 2012* are available free of charge. To order, please call the AARP Public Policy Institute at (202) 434-3890 or email [jgasaway@aarp.org](mailto:jgasaway@aarp.org).

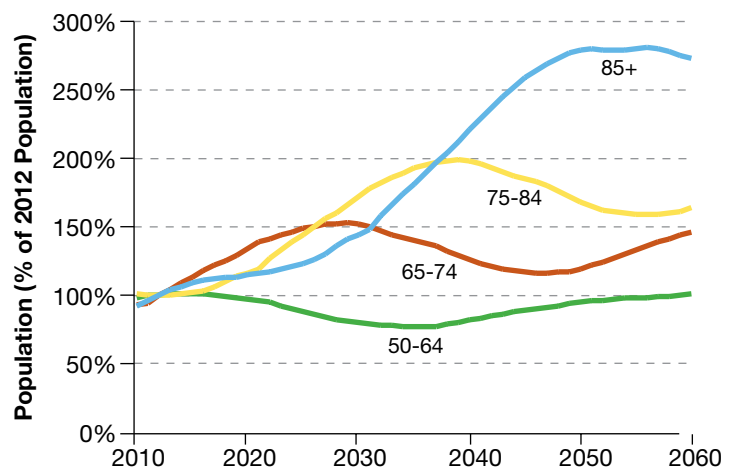
The full report and executive summary are also available on the web. The most recent edition of *Across the States* can be found at <http://www.aarp.org/acrossthestates>.

## MICHIGAN

Population & Projections	Year	State Pop. (1,000s)	% of Total Population	Rank	U.S.	% Change from 2012	Rank	U.S.
All ages	2012	9,715		10	315,311			
	2032	9,789		12	376,660	+1%	51	+19%
	2050	10,827		13	434,447	+11%	51	+38%
Age 50-64	2012	2,066	21.3%	4	19.2%			
	2032	1,621	16.6%	13	16.4%	-22%	51	+2%
	2050	1,953	18.0%	12	16.6%	-5%	50	+19%
Age 65+	2012	1,436	14.8%	12	13.6%			
	2032	2,289	23.4%	3	19.8%	+59%	41	+74%
	2050	2,265	20.9%	16	20.4%	+58%	51	+107%
Age 65-74	2012	785	8.1%	9	7.4%			
	2032	1,156	11.8%	2	10.1%	+47%	41	+64%
	2050	934	8.6%	45	9.1%	+19%	51	+69%
Age 75-84	2012	440	4.5%	16	4.2%			
	2032	800	8.2%	3	6.8%	+82%	36	+94%
	2050	742	6.9%	7	6.6%	+68%	48	+116%
Age 85+	2012	211	2.2%	16	2.0%			
	2032	333	3.4%	5	2.9%	+58%	33	+69%
	2050	588	5.4%	7	4.8%	+179%	38	+224%

Older People of Color (%), 2010		
State	Rank	U.S.
13.5%	24	20.1%
Asian/Pacific Islander		
State	Rank	U.S.
1.2%	24	3.6%
Black		
State	Rank	U.S.
9.7%	14	8.5%
Hispanic		
State	Rank	U.S.
1.5%	30	6.9%

**Projected Growth in the Older Population in Michigan as a Percentage of 2012 Population, by Age Group**



Note: the highest data value within each ranking is indicated by a rank of 1. For indicators in which both a total number and a ratio are given for the state value (percent of population, per person in the state, etc), the rank and U.S. values correspond to the ratio column.

## POPULATION & CHARACTERISTICS

<b>Living Arrangements</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Men per 100 women age 85+, 2010	47	23	48
People age 75+ living alone, 2010	36%	11	34%
People age 60+ with grandchildren in household, 2010	3.9%	32	5.5%
People age 60+ responsible for raising grandchildren, 2010	1.2%	36	1.6%
Percent of age 65+ households with someone under 18, 2010	5.3%	30	7.0%

<b>Income &amp; Poverty</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Median household income age 65+, 2010	\$33,381	28	\$34,381
At/below poverty level age 65+, 2010	8.0%	27	9.0%
At/below 250% of poverty level age 65+, 2010	42%	23	42%
Women age 75+ at/below poverty level, 2010	10.8%	33	12.2%
Women age 75+ at/below 250% of poverty level, 2010	57%	23	54%
Bachelor level education or higher age 65+, 2010	18%	35	21%

<b>Disability Rates</b>	<b>Number (1,000s)</b>	<b>Percent</b>	<b>Rank</b>	<b>U.S.</b>
People age 65+ with disabilities, 2010				
Self-care difficulty	113	8.5%	19	8.8%
Cognitive difficulty	128	9.7%	20	9.5%
Any disability	496	37%	21	37%
People age 18-64 with disabilities, 2010				
Self-care difficulty	139	2.3%	9	1.8%
Cognitive difficulty	314	5.1%	13	4.2%
Any disability	715	11.7%	13	10.0%

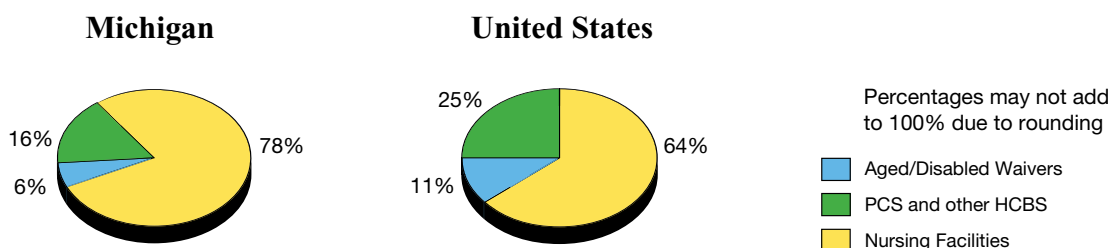
<b>Family Caregivers</b>	<b>State</b>	<b>Per 1,000 Population</b>	<b>Rank</b>	<b>U.S.</b>
Family caregivers, 2009	1,440,000	145	14	137
Economic value of family caregiving, 2009 (state in millions of \$)	\$15,500	\$1,560	18	\$1,460
Economic value per hour, 2009	\$11.23		27	\$11.16
Ratio of the economic value of family caregiving to Medicaid long-term care spending, 2009	6.5		6	3.8

<b>Long-Term Care Insurance</b>	<b>State</b>	<b>Per 1,000 Age 40+</b>	<b>Rank</b>	<b>U.S.</b>
Private long-term care insurance policies in effect, 2010	180,912	38	33	45

## PUBLIC LTSS EXPENDITURES

Medicaid Expenditures	State	Rank	U.S.
Total Medicaid expenditures (millions), 2009	\$10,635	10	\$368,330
Federal Medicaid Assistance Percentage (FMAP), 2009	63.19%	23	
Medicaid home and community-based services (HCBS) as a % of long-term services and supports (LTSS) spending, for older people and adults with physical disabilities, 2009 *	22%	36	36%
Medicaid HCBS spending as a % of LTSS spending, for all populations, 2009 *	33%	41	44%

### Medicaid Long-Term Services and Supports Spending for Older People and Adults with Physical Disabilities in Michigan and the U.S., 2009



LTSS & Home Health Expenditures	Total (millions)	Per Person in the State	Rank	U.S.
Medicaid LTSS expenditures for older people and adults with physical disabilities, 2009	\$1,972	\$199	38	\$261
Nursing facilities	\$1,547	\$156	29	\$168
HCBS	\$426	\$43	36	\$94
Aged/disabled waiver services	\$118	\$12	43	\$29
Personal care services (PCS) **	\$268	\$27	18	\$45
Home health services	\$26	\$3	36	\$16
Other HCBS ***	\$13	\$1	15	\$4
Medicaid LTSS expenditures for all populations, 2009	\$2,557	\$258	46	\$413
Institutional services	\$1,714	\$173	35	\$232
HCBS	\$844	\$85	45	\$181
Waiver services (all populations)	\$536	\$54	48	\$114
Other HCBS (including PCS and home health)	\$307	\$31	24	\$68
State-funded HCBS expenditures for older people and adults with physical disabilities, 2009	NA	NA	NA	\$4.83

Note: the highest data value within each ranking is indicated by a rank of 1. For indicators in which both a total number and a ratio are given for the state value (percent of population, per person in the state, etc), the rank and U.S. values correspond to the ratio column.

\* HCBS and LTSS include home health services for these indicators. This treatment is consistent with most earlier editions of Across the States, but differs from Across the States 2009, in which home health was categorized separately from LTSS.

\*\* 15 states did not report any PCS spending in 2009; the lowest possible rank is 36. In 2008, 19 states did not report any PCS participants; the lowest possible rank is 32.

\*\*\* "Other HCBS" includes PACE, self-directed services authorized under Section 1915(j), and several other programs. Only 26 states have spending categorized as this type; the lowest rank for this indicator is 22.

<b>Medicaid HCBS Participants By Type of Service</b>	<b>State</b>	<b>Per 1,000 Population</b>	<b>Rank</b>	<b>U.S.</b>
Nursing facilities (NF), 2008	46,964	4.7	31	5.3
HCBS (older people and adults with PD), 2008	74,047	7.4	23	8.2
Aged/disabled waiver services	9,498	1.0	42	2.2
Personal care services (PCS) **	58,653	5.9	5	3.0
Home health services	5,896	0.6	43	3.0
Institutional services (NF and ICF-MR), 2008	47,098	4.7	32	5.6
HCBS (all populations), 2008	82,580	8.3	29	10.1
Waiver services (all populations)	18,031	1.8	47	4.1
Other HCBS (including PCS and home health)	64,549	6.5	12	6.0
Adults with disabilities self-directing services, 2011	9,355	0.94	27	2.43

<b>Medicaid Participant LTSS Balance</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Medicaid aged/disabled waiver participants per 100 beneficiaries in nursing facilities, 2008	20	40	42
Medicaid HCBS beneficiaries as a % of LTSS users, for older people and adults with PD, 2008 *	61%	15	61%
Medicaid HCBS beneficiaries as a % of LTSS users, for all populations, 2008 *	64%	19	64%

<b>Medicaid Expenditures Per Person Served</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Nursing facility services, 2008	\$32,319	17	\$29,533
HCBS expenditures for older people and adults with physical disabilities per person served, 2008 (excluding home health)	\$5,296	42	\$10,957
Aged/disabled waiver services	\$9,504	29	\$10,710
Personal care services **	\$4,614	26	\$11,142
Home health services	\$685	48	\$5,495
ICF-MR services, 2008	\$163,811	11	\$123,053
MR/DD waiver services, 2008	\$48,251	17	\$42,896

## LTSS COSTS

<b>Public &amp; Private Payment Rates</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Medicaid payment per day for nursing facility care, 2011	\$208	10	\$178
Medicare payment per day for nursing facility care, 2010	\$382	33	\$398
Medicare reimbursement per home health visit, 2010	\$186	9	\$154
Private pay rate per day in nursing facility, 2011	\$220	17	\$193
Private pay rate per month in assisted living, 2011	\$3,000	35	\$3,261
Private pay daily rate for adult day care, 2011	\$76	10	\$60
Private pay hourly rate for home health aide, 2011	\$19	31	\$19

## LTSS RESOURCES

<b>HCBS Resources</b>	<b>State</b>	<b>Per 1,000 Age 65+</b>	<b>Rank</b>	<b>U.S.</b>
Assisted living and residential care facilities, 2010	3,181	2.33	10	1.46
Assisted living and residential care units, 2010	39,849	29	22	31
Personal and home care aides, 2010	11,360	8	38	17
Median hourly wage, 2010	\$9.55		28	\$9.44
Home health aides, 2010	34,980	26	12	24
Median hourly wage, 2010	\$9.48		38	\$9.89
People receiving ACL congregate meals, 2009 *	64,208	48	27	42
People receiving ACL home delivered meals, 2009 *	49,744	37	13	22
Total ACL congregate and home delivered meal expenditures (total in millions of \$), 2009 *	\$51	\$38	22	\$36
Number of health maintenance tasks able to be delegated to LTSS workers (out of 16 tasks), 2011	0		41	

<b>Nursing Facility Resources &amp; Utilization</b>	<b>State</b>	<b>Per 1,000 Age 65+</b>	<b>Rank</b>	<b>U.S.</b>
Total nursing facilities, 2010	434	0.32	37	0.40
Nursing facility beds, 2010	47,412	35	37	42
Nursing facility residents, 2010	40,082	29	38	35
Nursing facility occupancy rate, 2010	85%		26	83%
Direct care nursing hours per resident day, 2010	3.9		17	3.8
RN hours per day, 2010	0.70		26	0.64
Nursing facility staffing turnover, 2010	37%		28	40%

<b>Nursing Facility Resident Characteristics</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Residents with dementia, 2010	55%	1	46%
Nursing facility residents with low care needs, 2008	16%	27	17%
Residents with Medicaid as primary payer, 2010	62%	27	63%
Residents with Medicare as primary payer, 2010	19%	2	14%
Residents with “other” as primary payer, 2010	19%	36	22%

<b>Quality &amp; Oversight of Nursing Facilities</b>	<b>State</b>	<b>Rank</b>	<b>U.S.</b>
Residents with physical restraints, 2008	4%	15	4%
High risk residents with pressure sores, 2008	11%	22	12%
Long-stay residents with a hospital admission, 2008	19%	23	21%
Long-term care facility beds per FTE ombudsman, 2010	4,233	9	2,543
Nursing facilities visited by ombudsman at least quarterly, 2010	59%	38	76%

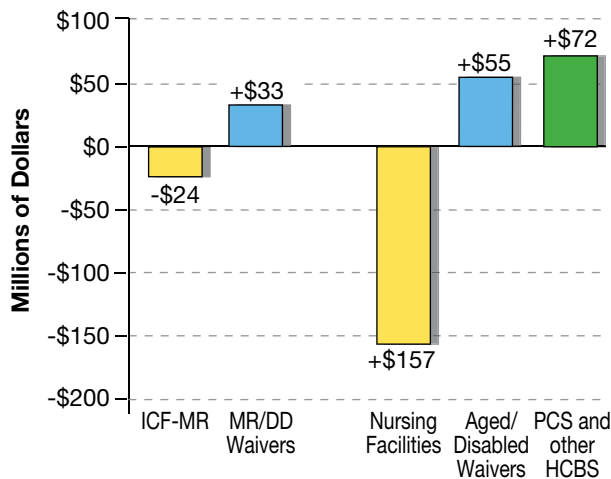
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\* These programs were originally administered under AoA. For more information on the Administration for Community Living (ACL), please see <http://www.hhs.gov/acl>.

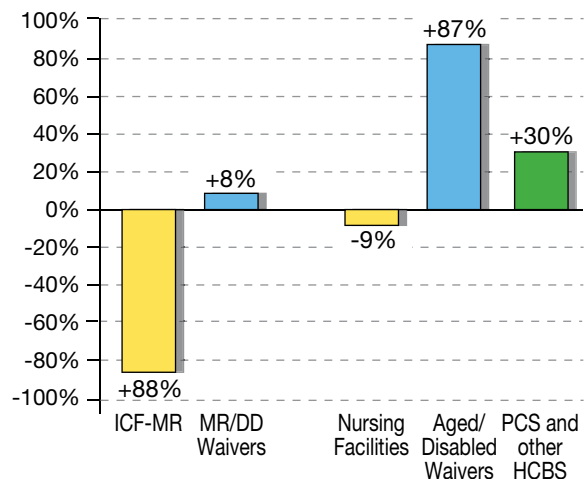
TRENDS

Medicaid HCBS Utilization	Year	State	Rank	U.S.
Medicaid HCBS participants, older people and adults with physical disabilities (excluding home health)	2003	62,495		1,270,155
	2008	68,151		1,577,471
	% change	+9%	37	+24%
Nursing Facility Residents	Year	State	Rank	U.S.
Nursing facility residents	2005	42,039		1,460,185
	2010	40,082		1,408,886
	% change	-5%	30	-4%
Long-Term Care Financing	Year	State	Rank	U.S.
Total Medicaid spending (millions)	2004	\$8,326		\$285,710
	2009	\$10,635		\$368,330
	% change	+28%	29	+29%
Medicaid LTSS spending for older people and adults with physical disabilities (millions)	2004	\$2,002		\$62,811
	2009	\$1,972		\$80,181
	% change	-1%	47	+28%
Medicaid nursing facility spending (millions)	2004	\$1,704		\$45,842
	2009	\$1,547		\$51,403
	% change	-9%	47	+12%
Medicaid HCBS spending for older people and adults with physical disabilities (millions)	2004	\$299		\$16,969
	2009	\$426		\$28,778
	% change	+42%	36	+70%
Medicaid HCBS as a % of LTSS spending, for older people and adults with physical disabilities	2004	15%	35	27%
	2009	22%	36	36%
	change	+7%	21	+9%

Change in Medicaid LTSS Spending, 2004–2009, by Service



Percent Change in Medicaid LTSS Spending, 2004–2009, by Service



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