



INSTITUTE FOR HEALTHCARE POLICY AND INNOVATION

NATIONAL POLL ON HEALTHY AGING
UNIVERSITY OF MICHIGAN

Michigan Poll on Healthy Aging

Wave 1 Survey Data: Health and Household

Topics: health; household; patient portals; social isolation and loneliness

Survey: Michigan Poll on Healthy Aging Wave 1

Fielded as part of: [National Poll on Healthy Aging \(NPHA\) Wave 14 Survey](#)

Survey period: February - March 2024

Survey mode: Online or by telephone

Sampled population: Michigan adults age 50 and over

Full sample: 1079 Michigan adults age 50-94

Margin of error: +/- 4 percentage points for questions asked of Michigan adults age 50 and over; higher among subgroups

Additional data and findings from Wave 1:

- Cannabis [data](#) and [article](#)
- Caregiving [article](#)
- Financial Strain and Well-Being [data](#) and [article](#)
- Top Health Concerns [data](#) and [article](#)

Summary: In February and March 2024, the [Michigan Poll on Healthy Aging](#) surveyed Michigan adults age 50 and over about **their health, household, use of patient portals, and experiences with loneliness and isolation.**

This report presents results from poll data weighted to reflect the Michigan population. Most tables include comparisons by demographics and other characteristics. We show results by age, gender, race and ethnicity, household income, education, [region](#), physical and mental health status, disability, chronic condition, and household composition (e.g., living alone). The tables also show how the responses of adults age 50 and older in Michigan compare to those in the rest of the United States. Each table includes weighted percentages and 95% confidence intervals (CI). Some results are omitted due to subgroup size of less than 50 people. The total number of respondents answering each question may vary as some respondents may not have answered every survey question.

The Michigan Poll on Healthy Aging is directed by the University of Michigan Institute for Healthcare Policy and Innovation, with support from the Michigan Health Endowment Fund and Michigan Medicine, U-M's academic medical center. [Learn more about the poll.](#)

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In general, how would you rate your physical health?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]				
	Excellent	Very good	Good	Fair	Poor
Michigan vs national					
Michigan (n = 1079)	4.3 [3.0, 6.1]	40.8 [36.8, 45.0]	36.6 [32.9, 40.5]	15.8 [13.2, 18.8]	2.5 [1.6, 3.7]
National, non-Michigan (n = 3006)	5.0 [4.1, 6.1]	34.7 [32.5, 37.1]	41.4 [39.0, 43.8]	15.8 [14.2, 17.7]	3.0 [2.3, 4.0]
Age*					
50-64 (n = 554)	4.5 [2.8, 7.0]	38.2 [32.8, 43.9]	36.6 [31.5, 42.0]	16.8 [13.1, 21.1]	4.0 [2.5, 6.2]
65+ (n = 525)	4.0 [2.3, 7.0]	43.9 [38.0, 50.0]	36.6 [31.3, 42.3]	14.7 [11.2, 19.1]	0.7 [0.3, 1.7]
Gender identity					
Men (n = 433)	4.5 [2.7, 7.6]	39.9 [33.9, 46.2]	36.9 [31.2, 42.9]	15.6 [11.8, 20.3]	3.1 [1.8, 5.2]
Women (n = 641)	4.0 [2.4, 6.6]	41.0 [35.7, 46.6]	36.8 [32.0, 41.9]	16.2 [12.8, 20.3]	1.9 [1.0, 3.7]
Race and ethnicity					
Black, non-Hispanic (n = 70)	1.5 [0.3, 6.6]	36.0 [21.9, 53.1]	37.6 [24.9, 52.4]	17.6 [9.5, 30.1]	7.3 [3.1, 16.1]
Hispanic (n = 18)	-	-	-	-	-
White, non-Hispanic (n = 952)	4.5 [3.1, 6.5]	42.3 [38.1, 46.7]	36.1 [32.2, 40.2]	15.1 [12.4, 18.3]	1.9 [1.2, 3.0]
Household income***					
Less than \$60,000 (n = 598)	3.3 [1.8, 6.0]	35.5 [30.0, 41.4]	36.9 [31.9, 42.2]	20.6 [16.7, 25.2]	3.7 [2.3, 5.7]
\$60,000 or greater (n = 481)	5.5 [3.6, 8.4]	47.6 [41.7, 53.5]	36.2 [30.8, 42.0]	9.8 [7.0, 13.5]	1.0 [0.4, 2.5]
Education***					
Some college or less (n = 688)	2.8 [1.6, 4.9]	37.7 [32.6, 42.9]	39.7 [34.9, 44.6]	17.0 [13.7, 21.0]	2.8 [1.7, 4.4]
Bachelor's degree or higher (n = 391)	7.6 [4.7, 11.9]	48.2 [41.8, 54.7]	29.5 [24.2, 35.5]	13.0 [9.6, 17.3]	1.7 [0.8, 4.0]
Michigan region					
Northern & Upper Peninsula (n = 242)	5.8 [2.2, 14.7]	39.4 [31.6, 47.9]	37.1 [29.8, 45.0]	14.2 [9.9, 19.8]	3.4 [1.8, 6.6]
Southeast (n = 248)	3.9 [2.0, 7.4]	44.6 [37.5, 51.9]	33.4 [27.2, 40.2]	16.4 [11.9, 22.2]	1.7 [0.7, 4.2]
Southwest & South Central (n = 285)	7.0 [4.1, 11.7]	38.3 [30.3, 46.9]	37.5 [30.5, 45.0]	15.8 [11.4, 21.4]	1.5 [0.6, 3.5]
Central (n = 304)	3.2 [1.7, 6.1]	37.1 [30.8, 43.8]	40.5 [34.2, 47.1]	15.6 [11.7, 20.5]	3.6 [2.0, 6.4]
Mental health***					
Excellent, very good, or good (n = 905)	4.9 [3.4, 7.1]	45.6 [41.2, 50.0]	36.2 [32.3, 40.4]	12.1 [9.7, 15.0]	1.1 [0.5, 2.3]
Fair or poor (n = 157)	0.2 [0.0, 1.2]	7.2 [3.0, 16.4]	38.9 [28.7, 50.2]	42.1 [31.8, 53.1]	11.6 [7.1, 18.4]
Disability***					
Disability that limits daily activities (n = 460)	0.7 [0.3, 1.9]	19.1 [14.0, 25.6]	37.5 [31.7, 43.6]	36.2 [30.4, 42.5]	6.5 [4.2, 9.7]
No disability that limits daily activities (n = 617)	6.2 [4.2, 9.0]	53.0 [47.8, 58.1]	36.2 [31.5, 41.3]	4.4 [2.7, 6.9]	0.2 [0.0, 1.2]
Chronic condition***					
Yes (n = 930)	3.9 [2.6, 5.9]	37.4 [33.1, 42.0]	38.2 [34.1, 42.4]	17.8 [14.8, 21.2]	2.7 [1.7, 4.1]
No (n = 149)	6.3 [3.3, 11.7]	59.7 [49.1, 69.4]	27.8 [19.3, 38.3]	4.8 [2.2, 10.0]	1.4 [0.3, 5.9]
Lives alone**					
Yes (n = 296)	4.0 [1.7, 8.8]	31.3 [24.6, 39.0]	37.5 [30.6, 44.9]	24.5 [18.4, 31.9]	2.7 [1.2, 6.0]
No (n = 783)	4.4 [3.0, 6.4]	44.4 [39.7, 49.3]	36.3 [31.9, 40.9]	12.5 [10.0, 15.5]	2.4 [1.5, 3.8]

Pearson, *p<.05, **p<.01, ***p<.001

In general, how would you rate your mental health?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]				
	Excellent	Very good	Good	Fair	Poor
Michigan vs national					
Michigan (n = 1062)	20.6 [17.3, 24.3]	39.9 [36.0, 44.0]	26.2 [22.9, 29.8]	11.1 [8.8, 13.9]	2.2 [1.4, 3.6]
National, non-Michigan (n = 2958)	21.0 [19.1, 23.0]	40.7 [38.4, 43.1]	27.7 [25.6, 30.0]	8.6 [7.3, 10.0]	2.0 [1.4, 2.8]
Age***					
50-64 (n = 547)	16.8 [12.9, 21.6]	36.2 [30.9, 41.8]	28.9 [24.3, 33.9]	14.5 [11.0, 19.0]	3.5 [2.1, 5.9]
65+ (n = 515)	25.0 [19.9, 30.9]	44.4 [38.6, 50.3]	23.0 [18.5, 28.3]	6.9 [4.6, 10.4]	0.7 [0.2, 2.8]
Gender identity					
Men (n = 423)	25.2 [20.2, 31.0]	35.9 [30.2, 42.1]	24.1 [19.3, 29.8]	11.8 [8.2, 16.7]	2.9 [1.4, 5.9]
Women (n = 634)	16.9 [12.8, 21.9]	42.8 [37.5, 48.2]	28.2 [23.8, 33.0]	10.5 [7.8, 14.1]	1.7 [1.0, 2.8]
Race and ethnicity					
Black, non-Hispanic (n = 69)	21.9 [10.7, 39.6]	36.0 [22.9, 51.5]	30.9 [19.0, 45.9]	11.3 [5.2, 22.7]	00.0
Hispanic (n = 18)	-	-	-	-	-
White, non-Hispanic (n = 938)	21.0 [17.6, 24.8]	41.2 [37.0, 45.5]	25.2 [21.8, 28.9]	10.5 [8.1, 13.5]	2.1 [1.2, 3.5]
Household income*					
Less than \$60,000 (n = 591)	18.8 [14.5, 24.1]	36.8 [31.5, 42.4]	28.1 [23.6, 33.2]	13.9 [10.6, 18.2]	2.3 [1.4, 3.7]
\$60,000 or greater (n = 471)	22.8 [18.1, 28.2]	44.0 [38.2, 50.0]	23.7 [19.2, 28.8]	7.3 [4.7, 11.2]	2.2 [0.8, 5.4]
Education**					
Some college or less (n = 680)	18.1 [14.3, 22.7]	38.6 [33.7, 43.7]	28.3 [24.1, 32.9]	13.0 [9.9, 16.8]	2.0 [1.2, 3.5]
Bachelor's degree or higher (n = 382)	26.4 [20.8, 32.8]	43.0 [36.7, 49.6]	21.2 [16.7, 26.7]	6.6 [4.2, 10.1]	2.8 [1.1, 6.7]
Michigan region					
Northern & Upper Peninsula (n = 239)	21.8 [15.4, 30.1]	38.0 [30.4, 46.4]	30.2 [23.4, 37.9]	8.6 [5.2, 13.9]	1.3 [0.5, 3.6]
Southeast (n = 242)	23.0 [17.3, 30.1]	39.0 [32.2, 46.3]	23.5 [18.1, 29.9]	12.2 [8.1, 17.8]	2.3 [0.9, 5.5]
Southwest & South Central (n = 281)	20.3 [13.9, 28.7]	31.4 [24.9, 38.7]	34.7 [27.8, 42.3]	11.2 [7.7, 16.2]	2.3 [1.2, 4.5]
Central (n = 300)	16.9 [12.6, 22.2]	44.9 [38.4, 51.5]	25.5 [20.2, 31.6]	10.3 [7.1, 14.7]	2.4 [1.2, 4.7]
Physical health***					
Excellent, very good, or good (n = 819)	23.8 [20.0, 28.2]	44.0 [39.5, 48.6]	24.6 [21.1, 28.6]	6.8 [4.8, 9.6]	0.7 [0.2, 2.4]
Fair or poor (n = 243)	6.4 [3.4, 11.7]	22.3 [15.7, 30.7]	33.0 [25.5, 41.5]	29.5 [22.0, 38.3]	8.8 [5.4, 14.2]
Disability***					
Disability that limits daily activities (n = 452)	11.8 [8.3, 16.6]	32.1 [26.3, 38.5]	31.2 [25.7, 37.3]	20.5 [15.7, 26.2]	4.4 [2.7, 7.1]
No disability that limits daily activities (n = 609)	25.6 [21.1, 30.7]	44.5 [39.3, 49.7]	23.4 [19.5, 27.9]	5.6 [3.5, 8.7]	1.0 [0.3, 3.1]
Chronic condition					
Yes (n = 916)	20.6 [17.1, 24.7]	38.3 [34.1, 42.6]	27.2 [23.6, 31.2]	11.5 [9.0, 14.6]	2.3 [1.4, 3.9]
No (n = 146)	20.3 [13.2, 29.9]	49.5 [38.8, 60.2]	20.3 [13.3, 29.6]	8.3 [3.7, 17.4]	1.7 [0.4, 6.1]
Lives alone					
Yes (n = 291)	17.9 [12.8, 24.5]	35.3 [28.3, 43.0]	28.9 [22.4, 36.5]	15.4 [10.7, 21.7]	2.4 [1.2, 4.7]
No (n = 771)	21.6 [17.7, 26.1]	41.7 [37.1, 46.6]	25.1 [21.5, 29.2]	9.4 [6.9, 12.6]	2.1 [1.1, 4.0]

Pearson, *p<.05, **p<.01, ***p<.001

How would you rate your memory overall?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]				
	Excellent	Very good	Good	Fair	Poor
Michigan vs national					
Michigan (n = 1072)	9.6 [7.5, 12.1]	40.2 [36.2, 44.3]	37.8 [34.0, 41.7]	10.8 [8.3, 13.9]	1.7 [1.0, 2.7]
National, non-Michigan (n = 3000)	9.9 [8.5, 11.4]	39.1 [36.7, 41.5]	37.4 [35.1, 39.8]	11.6 [10.1, 13.3]	2.1 [1.5, 2.8]
Age					
50-64 (n = 552)	9.0 [6.4, 12.7]	38.5 [33.1, 44.1]	37.9 [32.8, 43.3]	12.7 [9.2, 17.2]	1.9 [1.1, 3.2]
65+ (n = 520)	10.2 [7.2, 14.2]	42.2 [36.5, 48.2]	37.6 [32.1, 43.4]	8.6 [5.3, 13.4]	1.4 [0.6, 3.3]
Gender identity					
Men (n = 429)	10.6 [7.4, 15.0]	38.5 [32.6, 44.7]	34.8 [29.2, 40.8]	14.2 [10.2, 19.3]	1.9 [0.9, 4.0]
Women (n = 638)	8.8 [6.3, 12.1]	41.1 [35.9, 46.6]	40.6 [35.5, 45.9]	8.0 [5.1, 12.3]	1.5 [0.8, 2.6]
Race and ethnicity*					
Black, non-Hispanic (n = 67)	5.2 [1.7, 14.6]	44.6 [30.1, 60.0]	28.0 [17.4, 41.7]	22.2 [10.3, 41.6]	00.0
Hispanic (n = 18)	-	-	-	-	-
White, non-Hispanic (n = 948)	10.5 [8.1, 13.4]	40.5 [36.4, 44.8]	39.0 [35.0, 43.2]	8.1 [6.2, 10.5]	1.9 [1.2, 3.0]
Household income**					
Less than \$60,000 (n = 593)	8.3 [5.8, 11.7]	38.4 [33.1, 44.1]	37.0 [32.0, 42.4]	14.8 [10.8, 19.8]	1.5 [0.8, 2.7]
\$60,000 or greater (n = 479)	11.2 [8.0, 15.5]	42.4 [36.7, 48.3]	38.7 [33.2, 44.5]	5.8 [3.7, 8.9]	1.9 [0.9, 4.0]
Education**					
Some college or less (n = 682)	7.3 [5.1, 10.3]	39.7 [34.7, 44.8]	38.2 [33.5, 43.2]	12.8 [9.4, 17.0]	2.1 [1.2, 3.4]
Bachelor's degree or higher (n = 390)	14.9 [10.7, 20.3]	41.4 [35.2, 47.9]	36.7 [30.7, 43.1]	6.3 [3.9, 10.0]	0.8 [0.3, 2.3]
Michigan region					
Northern & Upper Peninsula (n = 240)	9.5 [5.8, 15.1]	41.2 [33.3, 49.5]	36.9 [29.2, 45.3]	11.1 [7.5, 16.0]	1.4 [0.5, 3.9]
Southeast (n = 247)	8.7 [5.6, 13.3]	43.5 [36.5, 50.7]	35.3 [28.9, 42.4]	10.9 [6.6, 17.4]	1.6 [0.7, 3.8]
Southwest & South Central (n = 284)	12.9 [7.4, 21.7]	33.9 [26.6, 42.0]	40.9 [33.7, 48.6]	9.8 [6.3, 15.1]	2.4 [1.2, 4.9]
Central (n = 301)	9.5 [6.4, 14.0]	37.7 [31.5, 44.4]	40.2 [34.0, 46.7]	10.9 [7.4, 15.9]	1.6 [0.7, 3.6]
Physical health***					
Excellent, very good, or good (n = 829)	10.5 [8.1, 13.5]	44.0 [39.5, 48.6]	36.5 [32.3, 40.9]	8.3 [5.7, 11.8]	0.7 [0.4, 1.4]
Fair or poor (n = 243)	5.6 [2.8, 10.7]	23.1 [16.5, 31.5]	43.4 [35.0, 52.1]	22.0 [15.4, 30.4]	5.9 [3.2, 10.7]
Mental health***					
Excellent, very good, or good (n = 899)	10.3 [8.0, 13.2]	44.4 [40.0, 48.8]	37.9 [33.8, 42.2]	6.9 [4.6, 10.1]	0.6 [0.2, 1.3]
Fair or poor (n = 157)	2.2 [0.6, 7.7]	14.3 [7.7, 24.8]	40.0 [30.0, 51.0]	34.4 [24.7, 45.7]	9.1 [5.1, 15.7]
Disability***					
Disability that limits daily activities (n = 458)	7.4 [4.5, 11.8]	32.3 [26.4, 38.7]	38.5 [32.7, 44.7]	19.0 [14.4, 24.5]	2.9 [1.6, 5.2]
No disability that limits daily activities (n = 612)	10.8 [8.1, 14.2]	44.8 [39.7, 50.1]	37.2 [32.4, 42.4]	6.2 [3.6, 10.5]	1.0 [0.5, 2.1]
Chronic condition					
Yes (n = 924)	8.6 [6.5, 11.3]	40.5 [36.3, 44.9]	38.2 [34.1, 42.4]	10.8 [8.1, 14.3]	1.8 [1.1, 3.0]
No (n = 148)	14.8 [8.7, 24.0]	38.3 [28.4, 49.4]	35.4 [26.0, 46.1]	10.6 [5.4, 19.9]	0.8 [0.1, 4.3]
Lives alone					
Yes (n = 294)	6.3 [3.7, 10.6]	35.3 [28.4, 42.9]	45.1 [37.6, 52.8]	11.4 [7.5, 17.1]	1.8 [0.8, 3.9]
No (n = 778)	10.8 [8.2, 14.1]	42.1 [37.4, 46.9]	34.9 [30.7, 39.4]	10.6 [7.6, 14.5]	1.6 [0.9, 2.9]

Pearson, *p<.05, **p<.01, ***p<.001

Are your day-to-day activities limited because of a health problem or disability?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]		
	Yes, a lot	Yes, a little	No
Michigan vs national			
Michigan (n = 1077)	9.0 [7.1, 11.4]	27.0 [23.7, 30.7]	63.9 [60.0, 67.6]
National, non-Michigan (n = 3009)	8.4 [7.2, 9.8]	29.1 [27.0, 31.4]	62.5 [60.1, 64.8]
Age			
50-64 (n = 553)	10.2 [7.5, 13.8]	28.6 [23.9, 33.7]	61.2 [55.7, 66.4]
65+ (n = 524)	7.7 [5.2, 11.0]	25.2 [20.6, 30.5]	67.1 [61.5, 72.3]
Gender identity			
Men (n = 432)	9.3 [6.5, 13.0]	26.9 [21.9, 32.6]	63.8 [57.9, 69.4]
Women (n = 640)	8.9 [6.5, 12.3]	27.0 [22.6, 31.9]	64.1 [58.9, 68.9]
Race and ethnicity			
Black, non-Hispanic (n = 70)	9.4 [4.4, 19.1]	37.5 [24.5, 52.5]	53.1 [38.2, 67.4]
Hispanic (n = 18)	-	-	-
White, non-Hispanic (n = 950)	8.6 [6.6, 11.1]	24.9 [21.5, 28.6]	66.5 [62.5, 70.3]
Household income***			
Less than \$60,000 (n = 598)	12.5 [9.6, 16.1]	33.2 [28.3, 38.5]	54.3 [48.8, 59.7]
\$60,000 or greater (n = 479)	4.7 [2.7, 8.0]	19.2 [15.2, 23.9]	76.1 [70.9, 80.6]
Education***			
Some college or less (n = 687)	11.0 [8.4, 14.2]	29.2 [24.9, 33.9]	59.8 [54.8, 64.6]
Bachelor's degree or higher (n = 390)	4.5 [2.8, 7.1]	22.0 [17.5, 27.3]	73.5 [68.0, 78.4]
Michigan region			
Northern & Upper Peninsula (n = 242)	7.5 [4.8, 11.6]	26.3 [20.1, 33.7]	66.2 [58.5, 73.1]
Southeast (n = 247)	6.5 [3.9, 10.7]	25.4 [19.8, 32.0]	68.1 [61.2, 74.3]
Southwest & South Central (n = 285)	10.5 [7.0, 15.5]	31.6 [25.0, 39.1]	57.8 [50.1, 65.3]
Central (n = 303)	12.5 [8.8, 17.4]	27.7 [22.4, 33.8]	59.8 [53.3, 66.0]
Physical health***			
Excellent, very good, or good (n = 832)	4.3 [2.9, 6.4]	21.0 [17.6, 24.9]	74.7 [70.6, 78.3]
Fair or poor (n = 245)	30.2 [23.0, 38.5]	53.8 [45.1, 62.3]	16.0 [10.4, 23.8]
Mental health***			
Excellent, very good, or good (n = 905)	6.7 [4.9, 9.0]	24.7 [21.2, 28.6]	68.6 [64.5, 72.5]
Fair or poor (n = 156)	24.7 [16.9, 34.7]	43.5 [33.1, 54.5]	31.7 [21.9, 43.5]
Chronic condition**			
Yes (n = 928)	10.2 [8.0, 13.0]	28.5 [24.8, 32.5]	61.3 [57.0, 65.4]
No (n = 149)	2.3 [0.7, 7.7]	19.1 [12.2, 28.5]	78.6 [69.0, 85.8]
Lives alone***			
Yes (n = 295)	15.1 [10.5, 21.2]	31.0 [24.4, 38.5]	53.9 [46.2, 61.3]
No (n = 782)	6.7 [4.9, 9.1]	25.5 [21.7, 29.7]	67.8 [63.3, 71.9]

Pearson, *p<.05, **p<.01, ***p<.001

What type(s) of health insurance do you have now? (select all that apply)

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]
Medicare Advantage plan	30.9 [27.2, 34.8]
Insurance provided through your own or someone else's employer	24.0 [20.8, 27.5]
Medicaid	18.5 [15.5, 21.9]
Retiree health plan from a job that you or someone else retired from	14.0 [11.3, 17.3]
Traditional Medicare without a Medigap plan	10.8 [8.6, 13.5]
Traditional Medicare plus Medigap (a supplemental Medicare plan)	8.9 [7.0, 11.1]
Individual insurance plan you bought directly, including from an online marketplace	5.5 [4.0, 7.5]
VA / CHAMPVA	1.9 [1.1, 3.2]
Military health care	1.5 [0.7, 3.0]

Do you have a primary care provider (PCP)?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]		
	Yes	No	Unsure
Michigan vs national			
Michigan (n = 1078)	88.7 [85.9, 91.1]	8.7 [6.6, 11.2]	2.6 [1.5, 4.4]
National, non-Michigan (n = 3009)	88.9 [87.3, 90.4]	9.0 [7.7, 10.5]	2.1 [1.5, 2.9]
Age*			
50-64 (n = 553)	85.5 [81.0, 89.1]	11.9 [8.8, 16.1]	2.5 [1.1, 5.5]
65+ (n = 525)	92.4 [88.8, 94.9]	4.8 [2.9, 7.8]	2.7 [1.3, 5.5]
Gender identity			
Men (n = 433)	88.2 [83.4, 91.7]	8.2 [5.4, 12.3]	3.6 [1.7, 7.3]
Women (n = 640)	89.0 [85.3, 91.9]	9.1 [6.5, 12.7]	1.8 [0.9, 3.8]
Race and ethnicity**			
Black, non-Hispanic (n = 70)	82.6 [69.4, 90.9]	7.9 [3.5, 16.8]	9.5 [3.5, 23.1]
Hispanic (n = 18)	-	-	-
White, non-Hispanic (n = 951)	89.2 [86.2, 91.6]	9.2 [7.0, 12.1]	1.6 [0.9, 2.9]
Household income***			
Less than \$60,000 (n = 598)	85.3 [80.8, 88.9]	10.4 [7.4, 14.3]	4.3 [2.4, 7.5]
\$60,000 or greater (n = 480)	93.0 [89.6, 95.4]	6.5 [4.2, 9.9]	0.5 [0.2, 1.5]
Education			
Some college or less (n = 687)	87.3 [83.5, 90.3]	9.7 [7.1, 13.1]	3.0 [1.6, 5.6]
Bachelor's degree or higher (n = 391)	92.1 [88.1, 94.8]	6.2 [3.8, 10.0]	1.7 [0.7, 3.9]
Michigan region			
Northern & Upper Peninsula (n = 241)	91.6 [86.9, 94.7]	6.5 [3.8, 11.0]	1.9 [0.8, 4.5]
Southeast (n = 248)	88.3 [82.7, 92.3]	9.0 [5.7, 14.1]	2.7 [1.0, 6.8]
Southwest & South Central (n = 285)	87.0 [80.8, 91.4]	10.0 [6.5, 15.0]	3.0 [0.9, 9.4]
Central (n = 304)	89.0 [84.2, 92.4]	8.3 [5.4, 12.7]	2.7 [1.2, 5.8]
Physical health			
Excellent, very good, or good (n = 833)	88.5 [85.2, 91.1]	9.0 [6.8, 11.9]	2.5 [1.3, 4.8]
Fair or poor (n = 245)	89.9 [82.8, 94.3]	7.1 [3.4, 14.3]	3.0 [1.3, 6.7]
Mental health			
Excellent, very good, or good (n = 904)	89.0 [85.9, 91.5]	8.7 [6.5, 11.5]	2.3 [1.2, 4.3]
Fair or poor (n = 157)	85.2 [76.0, 91.2]	9.5 [4.9, 17.7]	5.3 [2.1, 12.7]
Disability			
Disability that limits daily activities (n = 459)	89.1 [84.3, 92.6]	8.0 [5.0, 12.4]	2.9 [1.4, 5.9]
No disability that limits daily activities (n = 617)	88.5 [84.7, 91.4]	9.1 [6.5, 12.4]	2.5 [1.2, 5.2]
Chronic condition***			
Yes (n = 929)	91.5 [88.9, 93.6]	6.7 [4.8, 9.1]	1.8 [1.0, 3.2]
No (n = 149)	73.0 [61.9, 81.8]	19.8 [12.5, 29.7]	7.2 [2.7, 17.9]
Lives alone*			
Yes (n = 296)	82.5 [75.8, 87.7]	12.8 [8.4, 19.0]	4.7 [2.3, 9.2]
No (n = 782)	91.1 [87.9, 93.5]	7.1 [5.0, 9.8]	1.9 [0.8, 4.1]

Pearson, *p<.05, **p<.01, ***p<.001

Who lives in your household? (select all that apply)

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]
Spouse / partner	57.5 [53.4, 61.5]
I live alone	27.7 [24.2, 31.5]
Other adults	22.7 [19.3, 26.5]
Child / children age 0-17	7.0 [5.2, 9.4]
Grandchild / grandchildren age 0-17	4.4 [2.9, 6.6]

A patient portal is a personal, password-protected connection to a health care practice for exchanging information through a computer, phone, or tablet. Do you have a patient portal?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]		
	Yes	No	Not sure
Michigan vs national			
Michigan (n = 1078)	74.1 [70.3, 77.6]	20.4 [17.1, 24.0]	5.5 [3.9, 7.6]
National, non-Michigan (n = 3004)	74.6 [72.4, 76.7]	19.7 [17.8, 21.8]	5.7 [4.6, 7.0]
Age			
50-64 (n = 553)	73.0 [67.6, 77.9]	21.2 [16.7, 26.5]	5.8 [3.6, 9.0]
65+ (n = 525)	75.4 [69.8, 80.2]	19.4 [15.0, 24.8]	5.2 [3.2, 8.4]
Gender identity**			
Men (n = 433)	68.3 [62.1, 74.0]	26.9 [21.5, 33.1]	4.8 [2.8, 8.0]
Women (n = 641)	79.0 [74.3, 83.1]	14.8 [11.4, 19.1]	6.1 [4.0, 9.4]
Race and ethnicity***			
Black, non-Hispanic (n = 70)	60.7 [45.6, 74.0]	21.6 [11.8, 36.3]	17.6 [9.2, 31.0]
Hispanic (n = 18)	-	-	-
White, non-Hispanic (n = 951)	75.4 [71.3, 79.0]	20.7 [17.2, 24.7]	3.9 [2.6, 5.8]
Household income***			
Less than \$60,000 (n = 597)	65.9 [60.3, 71.1]	26.2 [21.4, 31.6]	7.9 [5.4, 11.4]
\$60,000 or greater (n = 481)	84.4 [79.5, 88.4]	13.0 [9.4, 17.8]	2.5 [1.3, 5.0]
Education***			
Some college or less (n = 687)	69.3 [64.3, 73.9]	25.2 [20.9, 30.1]	5.5 [3.6, 8.2]
Bachelor's degree or higher (n = 391)	85.4 [80.5, 89.1]	9.1 [6.3, 12.9]	5.6 [3.2, 9.4]
Michigan region			
Northern & Upper Peninsula (n = 242)	72.8 [64.4, 79.9]	20.8 [14.3, 29.1]	6.4 [3.4, 11.6]
Southeast (n = 247)	70.4 [63.3, 76.6]	22.8 [17.2, 29.6]	6.8 [4.0, 11.3]
Southwest & South Central (n = 285)	76.4 [68.2, 83.0]	18.5 [12.5, 26.3]	5.1 [2.3, 10.9]
Central (n = 304)	78.7 [72.7, 83.7]	17.7 [13.0, 23.5]	3.6 [2.0, 6.4]
Physical health*			
Excellent, very good, or good (n = 833)	76.3 [72.1, 80.1]	18.4 [14.9, 22.4]	5.3 [3.6, 7.7]
Fair or poor (n = 245)	64.3 [55.1, 72.5]	29.3 [21.5, 38.5]	6.5 [3.2, 12.6]
Mental health			
Excellent, very good, or good (n = 904)	74.5 [70.3, 78.3]	19.4 [16.0, 23.4]	6.1 [4.3, 8.6]
Fair or poor (n = 157)	71.2 [60.2, 80.1]	26.1 [17.4, 37.2]	2.7 [1.2, 6.0]
Disability			
Disability that limits daily activities (n = 460)	71.4 [65.0, 77.0]	21.2 [16.3, 27.1]	7.4 [4.5, 12.0]
No disability that limits daily activities (n = 616)	75.6 [70.7, 80.0]	19.9 [15.8, 24.8]	4.4 [2.9, 6.9]
Chronic condition			
Yes (n = 930)	75.7 [71.6, 79.4]	18.7 [15.4, 22.5]	5.6 [3.9, 8.0]
No (n = 148)	65.1 [53.6, 75.0]	30.0 [20.5, 41.6]	5.0 [2.0, 11.8]
Lives alone*			
Yes (n = 296)	65.8 [57.8, 73.1]	25.1 [18.6, 33.0]	9.0 [5.3, 15.1]
No (n = 782)	77.3 [73.0, 81.1]	18.5 [15.0, 22.7]	4.1 [2.7, 6.2]

Pearson, *p<.05, **p<.01, ***p<.001

In the past year, have you sent a message to a health care provider using an online patient portal?

Universe: Michigan adults age 50+ who have a patient portal (n = 839)

	Weighted % [95% CI]	
	Yes	No
Michigan vs national		
Michigan (n = 838)	61.5 [57.0, 65.9]	38.5 [34.1, 43.0]
National, non-Michigan (n = 2246)	65.3 [62.6, 67.9]	34.7 [32.1, 37.4]
Age		
50-64 (n = 421)	64.0 [57.7, 69.9]	36.0 [30.1, 42.3]
65+ (n = 417)	58.7 [52.1, 65.1]	41.3 [34.9, 47.9]
Gender identity		
Men (n = 314)	64.4 [57.1, 71.1]	35.6 [28.9, 42.9]
Women (n = 521)	59.1 [53.1, 64.8]	40.9 [35.2, 46.9]
Race and ethnicity		
Black, non-Hispanic (n = 45)	-	-
Hispanic (n = 14)	-	-
White, non-Hispanic (n = 747)	62.1 [57.3, 66.6]	37.9 [33.4, 42.7]
Household income		
Less than \$60,000 (n = 423)	59.3 [52.7, 65.6]	40.7 [34.4, 47.3]
\$60,000 or greater (n = 415)	63.7 [57.4, 69.6]	36.3 [30.4, 42.6]
Education		
Some college or less (n = 508)	60.5 [54.6, 66.1]	39.5 [33.9, 45.4]
Bachelor's degree or higher (n = 330)	63.5 [56.4, 70.0]	36.5 [30.0, 43.6]
Michigan region		
Northern & Upper Peninsula (n = 182)	47.6 [38.6, 56.8]	52.4 [43.2, 61.4]
Southeast (n = 185)	61.2 [52.8, 69.0]	38.8 [31.0, 47.2]
Southwest & South Central (n = 228)	63.5 [54.3, 71.8]	36.5 [28.2, 45.7]
Central (n = 243)	65.5 [58.1, 72.1]	34.5 [27.9, 41.9]
Physical health		
Excellent, very good, or good (n = 664)	61.4 [56.3, 66.3]	38.6 [33.7, 43.7]
Fair or poor (n = 174)	62.0 [51.9, 71.2]	38.0 [28.8, 48.1]
Mental health		
Excellent, very good, or good (n = 712)	60.4 [55.4, 65.1]	39.6 [34.9, 44.6]
Fair or poor (n = 112)	69.0 [56.8, 79.1]	31.0 [20.9, 43.2]
Disability		
Disability that limits daily activities (n = 355)	65.3 [58.1, 71.8]	34.7 [28.2, 41.9]
No disability that limits daily activities (n = 481)	59.6 [53.7, 65.3]	40.4 [34.7, 46.3]
Chronic condition		
Yes (n = 733)	61.6 [56.7, 66.3]	38.4 [33.7, 43.3]
No (n = 105)	61.0 [48.6, 72.2]	39.0 [27.8, 51.4]
Lives alone		
Yes (n = 216)	57.3 [48.5, 65.7]	42.7 [34.3, 51.5]
No (n = 622)	62.9 [57.6, 67.9]	37.1 [32.1, 42.4]

Pearson, *p<.05, **p<.01, ***p<.001

Have you ever paid a co-payment or been charged money for exchanging messages with your health care provider over the patient portal?

Universe: Michigan adults age 50+ who have used the patient portal to send a message (n = 526)

	Weighted % [95% CI]		
	Yes	No	Not sure
Michigan vs national			
Michigan (n = 525)	9.6 [6.7, 13.7]	86.5 [82.1, 90.0]	3.9 [2.2, 6.6]
National, non-Michigan (n = 1489)	13.8 [11.5, 16.5]	82.9 [80.0, 85.5]	3.3 [2.2, 4.7]
Age			
50-64 (n = 269)	11.4 [7.1, 17.9]	84.2 [77.4, 89.3]	4.3 [2.2, 8.5]
65+ (n = 256)	7.4 [4.2, 12.6]	89.3 [83.3, 93.3]	3.3 [1.3, 7.9]
Gender identity			
Men (n = 213)	9.6 [5.4, 16.5]	85.6 [78.1, 90.9]	4.8 [2.2, 10.2]
Women (n = 309)	9.8 [6.1, 15.3]	87.1 [81.2, 91.4]	3.1 [1.5, 6.6]
Race and ethnicity*			
Black, non-Hispanic (n = 29)	-	-	-
Hispanic (n = 10)	-	-	-
White, non-Hispanic (n = 468)	10.4 [7.1, 14.9]	86.5 [81.7, 90.2]	3.1 [1.6, 5.8]
Household income			
Less than \$60,000 (n = 250)	7.0 [3.4, 13.6]	88.3 [81.3, 92.9]	4.7 [2.3, 9.5]
\$60,000 or greater (n = 275)	12.1 [7.9, 18.0]	84.9 [78.6, 89.6]	3.1 [1.3, 7.0]
Education			
Some college or less (n = 308)	8.8 [5.2, 14.6]	87.5 [81.2, 91.8]	3.7 [1.7, 7.9]
Bachelor's degree or higher (n = 217)	11.0 [6.8, 17.4]	84.8 [78.1, 89.7]	4.2 [2.1, 8.2]
Michigan region			
Northern & Upper Peninsula (n = 94)	4.5 [1.7, 11.6]	92.0 [83.6, 96.3]	3.4 [1.0, 11.1]
Southeast (n = 110)	9.9 [4.8, 19.0]	85.2 [75.7, 91.4]	5.0 [2.1, 11.2]
Southwest & South Central (n = 163)	11.3 [7.1, 17.4]	87.1 [80.8, 91.6]	1.6 [0.6, 4.0]
Central (n = 158)	9.9 [5.9, 16.2]	86.6 [79.6, 91.4]	3.5 [1.5, 8.3]
Physical health**			
Excellent, very good, or good (n = 418)	10.9 [7.4, 15.7]	86.3 [81.3, 90.2]	2.8 [1.4, 5.6]
Fair or poor (n = 107)	3.0 [1.3, 6.6]	87.5 [76.8, 93.7]	9.5 [4.0, 20.9]
Mental health			
Excellent, very good, or good (n = 441)	9.0 [6.0, 13.2]	87.1 [82.4, 90.6]	4.0 [2.2, 7.0]
Fair or poor (n = 75)	15.0 [6.2, 32.0]	81.2 [64.0, 91.3]	3.9 [0.7, 19.2]
Disability			
Disability that limits daily activities (n = 233)	6.1 [2.9, 12.6]	88.1 [80.8, 92.9]	5.7 [2.7, 11.6]
No disability that limits daily activities (n = 291)	11.7 [7.7, 17.4]	85.5 [79.5, 90.0]	2.8 [1.2, 6.2]
Chronic condition*			
Yes (n = 464)	7.9 [5.2, 12.0]	87.9 [83.3, 91.4]	4.1 [2.3, 7.3]
No (n = 61)	20.8 [10.2, 37.7]	77.2 [60.6, 88.2]	2.0 [0.6, 6.1]
Lives alone			
Yes (n = 125)	5.4 [1.8, 15.0]	88.8 [78.3, 94.6]	5.8 [2.1, 14.8]
No (n = 400)	10.9 [7.4, 15.8]	85.8 [80.6, 89.8]	3.3 [1.7, 6.2]

Pearson, *p<.05, **p<.01, ***p<.001

In the past year, how often have you felt a lack of companionship?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]		
	Hardly ever	Some of the time	Often
Michigan vs national**			
Michigan (n = 1076)	62.2 [58.3, 66.0]	27.3 [23.9, 31.0]	10.4 [8.3, 13.1]
National, non-Michigan (n = 2997)	67.4 [65.1, 69.6]	25.8 [23.7, 28.0]	6.8 [5.7, 8.0]
Age***			
50-64 (n = 554)	56.0 [50.5, 61.4]	29.9 [25.2, 35.1]	14.1 [10.7, 18.3]
65+ (n = 522)	69.5 [63.8, 74.7]	24.3 [19.6, 29.8]	6.2 [3.9, 9.5]
Gender identity			
Men (n = 431)	64.8 [58.8, 70.4]	24.5 [19.6, 30.1]	10.8 [7.6, 15.1]
Women (n = 640)	59.6 [54.3, 64.7]	30.1 [25.5, 35.1]	10.3 [7.5, 14.0]
Race and ethnicity			
Black, non-Hispanic (n = 70)	64.7 [50.2, 76.9]	25.8 [15.6, 39.6]	9.5 [4.1, 20.6]
Hispanic (n = 18)	-	-	-
White, non-Hispanic (n = 949)	62.2 [58.0, 66.2]	28.3 [24.6, 32.3]	9.6 [7.4, 12.3]
Household income***			
Less than \$60,000 (n = 596)	54.7 [49.1, 60.1]	32.2 [27.3, 37.6]	13.1 [10.0, 17.0]
\$60,000 or greater (n = 480)	71.8 [66.4, 76.6]	21.1 [17.0, 26.0]	7.1 [4.5, 11.0]
Education			
Some college or less (n = 688)	60.3 [55.3, 65.1]	28.1 [23.8, 32.8]	11.6 [8.8, 15.1]
Bachelor's degree or higher (n = 388)	66.7 [60.5, 72.4]	25.5 [20.5, 31.3]	7.7 [4.9, 12.1]
Michigan region*			
Northern & Upper Peninsula (n = 240)	63.6 [55.5, 71.0]	29.5 [22.5, 37.6]	6.9 [4.2, 11.1]
Southeast (n = 248)	57.0 [49.9, 63.9]	30.5 [24.5, 37.4]	12.4 [8.5, 17.9]
Southwest & South Central (n = 285)	61.4 [53.8, 68.4]	29.5 [23.2, 36.7]	9.1 [6.1, 13.4]
Central (n = 303)	69.2 [63.1, 74.6]	21.5 [16.8, 27.1]	9.4 [6.5, 13.3]
Physical health***			
Excellent, very good, or good (n = 832)	68.9 [64.6, 72.9]	23.7 [20.2, 27.7]	7.4 [5.4, 10.2]
Fair or poor (n = 244)	32.5 [25.1, 40.8]	43.6 [35.1, 52.5]	23.9 [17.4, 31.9]
Mental health***			
Excellent, very good, or good (n = 902)	67.6 [63.5, 71.5]	25.8 [22.2, 29.8]	6.5 [4.7, 9.0]
Fair or poor (n = 157)	22.0 [14.3, 32.3]	40.8 [30.6, 51.8]	37.2 [27.3, 48.3]
Disability***			
Disability that limits daily activities (n = 459)	46.1 [39.8, 52.5]	35.2 [29.4, 41.5]	18.7 [14.2, 24.2]
No disability that limits daily activities (n = 615)	71.3 [66.4, 75.7]	23.0 [19.0, 27.5]	5.8 [3.8, 8.7]
Chronic condition			
Yes (n = 928)	62.4 [58.1, 66.5]	27.4 [23.8, 31.4]	10.2 [7.9, 13.1]
No (n = 148)	61.3 [50.5, 71.1]	26.8 [18.4, 37.4]	11.9 [6.7, 20.1]
Lives alone***			
Yes (n = 295)	42.0 [34.7, 49.8]	39.9 [32.6, 47.6]	18.1 [13.2, 24.4]
No (n = 781)	70.0 [65.5, 74.1]	22.5 [18.9, 26.6]	7.5 [5.3, 10.5]

Pearson, *p<.05, **p<.01, ***p<.001

In the past year, how often have you felt isolated from others?

Universe: Michigan adults age 50+ (n = 1079)

	Weighted % [95% CI]		
	Hardly ever	Some of the time	Often
Michigan vs national			
Michigan (n = 1069)	69.0 [65.2, 72.6]	23.6 [20.4, 27.1]	7.4 [5.6, 9.7]
National, non-Michigan (n = 2979)	71.6 [69.4, 73.8]	22.7 [20.8, 24.8]	5.7 [4.6, 6.9]
Age***			
50-64 (n = 549)	59.2 [53.7, 64.5]	29.1 [24.4, 34.2]	11.8 [8.7, 15.7]
65+ (n = 520)	80.5 [75.6, 84.6]	17.2 [13.3, 22.0]	2.3 [1.3, 4.1]
Gender identity			
Men (n = 430)	66.5 [60.4, 72.1]	24.0 [19.1, 29.8]	9.4 [6.3, 13.8]
Women (n = 634)	70.9 [66.2, 75.3]	23.3 [19.3, 27.9]	5.7 [4.0, 8.2]
Race and ethnicity			
Black, non-Hispanic (n = 69)	71.5 [57.5, 82.3]	22.3 [13.0, 35.7]	6.2 [2.2, 15.9]
Hispanic (n = 18)	-	-	-
White, non-Hispanic (n = 944)	69.3 [65.3, 73.1]	23.6 [20.2, 27.4]	7.0 [5.2, 9.5]
Household income***			
Less than \$60,000 (n = 593)	62.6 [57.2, 67.7]	27.9 [23.4, 33.1]	9.5 [6.9, 12.9]
\$60,000 or greater (n = 476)	77.2 [72.0, 81.7]	18.0 [14.0, 22.9]	4.8 [2.8, 8.1]
Education			
Some college or less (n = 682)	66.9 [62.1, 71.4]	25.0 [20.9, 29.5]	8.1 [5.9, 11.1]
Bachelor's degree or higher (n = 387)	74.0 [68.1, 79.1]	20.3 [15.8, 25.6]	5.8 [3.3, 9.8]
Michigan region			
Northern & Upper Peninsula (n = 241)	70.6 [62.6, 77.5]	22.6 [16.3, 30.6]	6.8 [4.2, 10.8]
Southeast (n = 246)	68.3 [61.4, 74.5]	23.7 [18.2, 30.2]	8.0 [4.9, 12.7]
Southwest & South Central (n = 284)	67.8 [60.8, 74.1]	26.3 [20.6, 32.9]	5.9 [3.8, 8.9]
Central (n = 298)	69.9 [63.7, 75.4]	22.7 [17.8, 28.5]	7.4 [4.9, 11.1]
Physical health***			
Excellent, very good, or good (n = 831)	74.2 [70.2, 77.9]	21.5 [18.1, 25.3]	4.3 [2.8, 6.6]
Fair or poor (n = 238)	45.4 [36.9, 54.3]	33.1 [25.4, 41.9]	21.4 [15.2, 29.2]
Mental health***			
Excellent, very good, or good (n = 898)	75.3 [71.5, 78.8]	20.3 [17.1, 23.8]	4.4 [2.9, 6.5]
Fair or poor (n = 154)	23.4 [15.8, 33.3]	48.4 [37.5, 59.4]	28.2 [19.7, 38.7]
Disability***			
Disability that limits daily activities (n = 455)	54.0 [47.6, 60.3]	30.8 [25.3, 37.0]	15.1 [11.1, 20.2]
No disability that limits daily activities (n = 612)	77.4 [72.9, 81.4]	19.5 [15.8, 23.8]	3.1 [1.7, 5.4]
Chronic condition			
Yes (n = 920)	69.3 [65.3, 73.1]	23.0 [19.7, 26.8]	7.6 [5.6, 10.2]
No (n = 149)	67.2 [56.6, 76.3]	26.5 [18.2, 37.0]	6.2 [3.0, 12.6]
Lives alone***			
Yes (n = 293)	56.0 [48.3, 63.3]	30.9 [24.3, 38.3]	13.2 [9.0, 18.9]
No (n = 776)	74.0 [69.8, 77.9]	20.8 [17.3, 24.8]	5.2 [3.5, 7.6]

Pearson, *p<.05, **p<.01, ***p<.001