

SUPPLEMENTARY TABLE 2. Estimated annual percent change in factors related to National HIV/AIDS Strategy quality of life indicators*and related factors† among persons with diagnosed HIV aged ≥50, overall and stratified by age — Medical Monitoring Project, United States, 2017–2022†

Characteristic [§]	Age, yrs	2017 cycle		2018 cycle		2019 cycle		2020 cycle		2021 cycle		2022 cycle		EAPC baseline to 2022 cycle
		n	Wgt. % (95% CI)	n	Wgt. % (95% CI)	n	Wgt. % (95% CI)	n	Wgt. % (95% CI)	n	Wgt. % (95% CI)	n	Wgt. % (95% CI)	
Factors related to good or better self-rated health[¶]														
Sustained viral suppression	≥50	1593	68.9 (65.4 to 72.3)	1557	66.1 (62.8 to 69.3)	1654	67.2 (62.3 to 72.2)	1456	61.6 (57.0 to 66.2)	1667	66.0 (63.1 to 68.8)	1614	67.3 (63.4 to 71.3)	-0.5 (-0.6 to -0.5)
	50–64	1320	67.9 (64.5 to 71.3)	1266	65.6 (62.1 to 69.1)	1318	66.2 (61.4 to 70.9)	1109	59.4 (54.9 to 63.9)	1245	64.3 (60.2 to 68.4)	1159	66.4 (62.0 to 70.9)	-0.8 (-0.9 to -0.7)
	≥65	273	74.2 (67.7 to 80.8)	291	68.3 (62.5 to 74.1)	336	72.1 (64.4 to 79.8)	347	70.5 (62.7 to 78.3)	422	71.7 (66.2 to 77.2)	455	69.8 (64.4 to 75.2)	-0.5 (-0.6 to -0.3)
Antiretroviral dose adherence, past 30 days	≥50	1396	66.5 (64.1 to 68.8)	1367	64.5 (61.9 to 67.2)	1473	66.4 (63.7 to 69.2)	1461	69.1 (67.2 to 71.0)	1562	69.3 (67.3 to 71.4)	1515	71.8 (69.3 to 74.4)	1.9 (1.8 to 2.0)
	50–64	1139	64.4 (61.7 to 67.2)	1083	62.2 (59.4 to 65.1)	1175	66.3 (63.5 to 69.0)	1128	67.4 (65.2 to 69.6)	1146	67.6 (65.3 to 70.0)	1053	68.9 (66.0 to 71.7)	1.7 (1.6 to 1.8)
	≥65	257	77.4 (72.6 to 82.3)	284	74.8 (69.6 to 80.0)	298	67.2 (61.5 to 72.8)	333	75.8 (71.7 to 79.9)	416	75.2 (71.5 to 78.9)	462	79.7 (75.9 to 83.5)	1.2 (1.1 to 1.4)
Self-reported disability	≥50	1155	52.8 (49.7 to 55.8)	1151	51.1 (48.6 to 53.6)	1135	48.6 (46.5 to 50.8)	1011	45.7 (42.1 to 49.4)	1119	47.3 (45.5 to 49.2)	1037	48.0 (45.7 to 50.3)	-2.1 (-2.2 to -2.1)
	50–64	952	51.4 (48.3 to 54.4)	934	50.2 (47.6 to 52.7)	917	48.3 (45.9 to 50.8)	788	45.4 (41.6 to 49.2)	839	46.5 (44.1 to 48.8)	743	47.9 (45.3 to 50.4)	-1.9 (-2.0 to -1.8)
	≥65	203	60.4 (54.0 to 66.8)	217	55.4 (49.3 to 61.5)	218	49.9 (45.0 to 54.9)	223	47.0 (40.1 to 53.8)	280	50.4 (44.7 to 56.1)	294	48.4 (44.1 to 52.7)	-3.8 (-4.0 to -3.6)
Emergency room visit	≥50	849	38.7 (36.2 to 41.2)	923	40.1 (36.9 to 43.3)	939	40.0 (37.1 to 42.9)	781	35.3 (32.8 to 37.7)	856	36.4 (34.2 to 38.6)	802	36.5 (34.7 to 38.4)	-2.0 (-2.1 to -1.9)
	50–64	727	39.6 (36.9 to 42.2)	757	40.1 (36.2 to 43.9)	755	39.5 (36.2 to 42.8)	609	34.5 (31.9 to 37.1)	652	36.6 (33.8 to 39.3)	597	36.7 (34.5 to 38.9)	-2.2 (-2.4 to -2.1)
	≥65	122	33.8 (28.6 to 38.9)	166	40.2 (34.1 to 46.3)	184	42.4 (37.4 to 47.3)	172	38.6 (33.8 to 43.3)	204	35.9 (31.6 to 40.2)	205	36.0 (32.4 to 39.6)	-1.1 (-1.3 to -0.9)
Hospitalization	≥50	460	21.4 (19.5 to 23.2)	501	21.5 (19.5 to 23.5)	500	21.1 (18.6 to 23.6)	414	18.4 (16.4 to 20.4)	436	18.8 (17.2 to 20.5)	400	18.2 (16.3 to 20.1)	-3.7 (-3.9 to -3.6)
	50–64	378	20.8 (18.6 to 22.9)	401	21.1 (19.1 to 23.2)	399	20.8 (18.4 to 23.2)	311	17.4 (15.3 to 19.4)	319	18.1 (16.1 to 20.1)	284	16.8 (14.7 to 18.9)	-4.8 (-4.9 to -4.6)
	≥65	82	24.7 (19.8 to 29.5)	100	23.2 (18.9 to 27.4)	101	22.2 (17.6 to 26.7)	103	22.6 (17.4 to 27.8)	117	21.3 (18.1 to 24.5)	116	22.3 (17.5 to 27.1)	-1.9 (-2.2 to -1.6)
Factors related to unmet needs for mental health services^{**}														
Symptoms of major/other depression among those	≥50	263	33.9 (29.1 to 38.7)	243	29.6 (23.8 to 35.3)	240	27.2 (22.2 to 32.1)	197	24.6 (21.0 to 28.3)	219	27.5 (23.3 to 31.8)	211	27.0 (22.4 to 31.6)	-4.2 (-4.3 to -4.0)
	50–64	237	34.4 (29.3 to 39.5)	211	30.6 (24.7 to 36.5)	212	27.6 (22.4 to 32.8)	165	24.6 (20.6 to 28.6)	182	28.6 (24.0 to 33.2)	177	27.8 (23.1 to 32.4)	-4.0 (-4.3 to -3.8)

with any mental health service need	≥65	26	29.9 (19.5 to 40.3)	32	24.7 (14.3 to 35.0)	28	24.3 (14.4 to 34.3)	32	24.9 (12.8 to 36.9)	37	22.5 (14.9 to 30.2)	34	23.3 (15.0 to 31.7)	-3.8 (-4.3 to -3.2)
Symptoms of generalized anxiety disorder among those with any mental health service need	≥50	218	27.0 (23.2 to 30.8)	215	24.9 (19.7 to 30.0)	204	22.6 (17.9 to 27.3)	174	21.4 (17.6 to 25.1)	203	25.2 (21.7 to 28.8)	200	25.3 (20.7 to 30.0)	-0.9 (-1.1 to -0.7)
	50-64	198	27.6 (23.7 to 31.5)	193	26.7 (21.3 to 32.0)	181	23.3 (18.0 to 28.5)	151	22.6 (18.3 to 27.0)	182	27.5 (23.9 to 31.2)	170	26.7 (22.0 to 31.4)	-0.2 (-0.5 to -0.0)
	≥65	20	22.3 (13.6 to 31.0)	22	16.0 (7.6 to 24.3)	23	18.4 (11.6 to 25.2)	23	14.9 (8.0 to 21.8)	21	14.1 (7.9 to 20.2)	30	19.1 (11.2 to 27.0)	-2.6 (-3.3 to -2.0)
Factors related to unemployment^{††}														
Some college education or higher educational attainment	≥50	1230	55.6 (51.3 to 59.9)	1201	55.5 (51.5 to 59.5)	1268	55.5 (52.2 to 58.8)	1296	59.3 (56.2 to 62.4)	1385	59.5 (55.6 to 63.3)	1300	60.3 (57.7 to 63.0)	2.0 (1.9 to 2.1)
	50-64	1016	54.5 (50.5 to 58.4)	969	54.3 (50.3 to 58.4)	987	54.1 (50.6 to 57.5)	1002	58.4 (55.2 to 61.5)	1036	59.3 (55.2 to 63.3)	921	59.4 (56.7 to 62.1)	2.2 (2.1 to 2.3)
	≥65	214	62.1 (54.0 to 70.1)	232	61.0 (54.1 to 67.9)	281	62.0 (56.4 to 67.5)	294	63.2 (56.4 to 69.9)	349	60.2 (55.2 to 65.1)	379	63.0 (57.7 to 68.2)	0.2 (0.0 to 0.4)
Household income at or below poverty threshold	≥50	879	41.6 (36.3 to 46.8)	973	45.4 (41.9 to 48.8)	964	44.8 (40.0 to 49.6)	739	37.6 (33.4 to 41.8)	850	40.1 (35.3 to 45.0)	707	35.2 (31.0 to 39.4)	-3.8 (-3.9 to -3.7)
	50-64	758	42.4 (37.0 to 47.8)	827	47.4 (43.9 to 51.0)	809	46.6 (41.7 to 51.5)	594	38.6 (34.3 to 42.8)	670	40.7 (35.9 to 45.5)	538	36.8 (32.4 to 41.1)	-3.8 (-3.9 to -3.6)
	≥65	121	37.1 (30.3 to 43.9)	146	35.7 (29.7 to 41.6)	155	36.7 (30.0 to 43.5)	145	33.7 (26.6 to 40.8)	180	38.2 (31.3 to 45.2)	169	31.0 (25.5 to 36.5)	-2.4 (-2.6 to -2.1)
Factors related to hunger or food insecurity^{§§}														
Unmet need for food assistance/ food stamps	≥50	243	11.8 (9.9 to 13.8)	205	9 (7.6 to 10.4)	185	8.7 (6.8 to 10.6)	156	7.8 (6.6 to 9.1)	185	8.3 (6.4 to 10.3)	211	10.4 (8.5 to 12.3)	-2.8 (-3.0 to -2.6)
	50-64	214	12.7 (10.7 to 14.8)	173	9.4 (7.8 to 11.0)	153	9.1 (7.0 to 11.3)	134	8.6 (7.0 to 10.2)	155	9.1 (7.0 to 11.2)	180	12.3 (10.0 to 14.7)	-1.1 (-1.3 to -0.9)
	≥65	29	6.9 (3.9 to 9.9)	32	7.2 (4.6 to 9.7)	32	6.6 (3.9 to 9.2)	22	4.8 (3.2 to 6.5)	30	5.7 (3.2 to 8.2)	31	5.0 (3.1 to 6.9)	-6.9 (-7.5 to -6.4)
Unmet need for food/meal delivery	≥50	161	7.6 (6.3 to 8.8)	158	7.1 (6.0 to 8.2)	144	6.5 (5.5 to 7.6)	100	4.6 (3.7 to 5.4)	129	6.0 (4.9 to 7.0)	160	8.3 (6.2 to 10.4)	-0.4 (-0.6 to -0.2)
	50-64	138	7.9 (6.5 to 9.3)	138	7.5 (6.2 to 8.9)	118	6.7 (5.2 to 8.2)	84	4.9 (3.9 to 5.8)	106	6.5 (5.4 to 7.7)	131	9.2 (6.7 to 11.7)	0.5 (0.2 to 0.8)
	≥65	23	5.7 (3.0 to 8.3)	20	5.1 (2.4 to 7.8)	26	5.7 (3.2 to 8.3)	16	3.4*** (1.2 to 5.7)	23	4.0 (2.4 to 5.7)	29	5.9 (3.3 to 8.5)	-0.6 (-1.2 to 0.1)
Factors related to housing instability or homelessness^{†††}														
Unmet need for shelter or housing services	≥50	194	9.6 (8.0 to 11.2)	198	8.2 (7.0 to 9.4)	126	5.9 (4.4 to 7.3)	126	5.5 (4.3 to 6.6)	164	8.1 (5.9 to 10.3)	210	10.4 (8.4 to 12.3)	1.6 (1.4 to 1.8)
	50-64	178	10.3 (8.6 to 12.0)	181	9.1 (7.7 to 10.5)	112	6.5 (4.6 to 8.3)	114	6 (4.7 to 7.3)	150	9.6 (7.1 to 12.1)	178	11.7 (9.7 to 13.7)	2.6 (2.4 to 2.9)

	≥65	16	6.0 (2.8 to 9.1)	17	3.9 (1.7 to 6.0)	14	3.1 (1.3 to 4.9)	12	3.4*** (1.1 to 5.6)	14	3.0 (1.2 to 4.7)	32	6.7 (3.8 to 9.5)	4.6 (3.9 to 5.3)
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Abbreviation: Wgt. = weighted, EAPC = estimated annual percent change.

*Includes good or better self-rated health, unmet need for mental health services, unemployment, food security, and housing stability/homelessness.

†Factors were collected in annual data collection cycles that began June 1 of the cycle year and ran through May 30 of the following year.

§All measures self-reported and measured over the past 12 months except where otherwise noted.

¶Includes 1) sustained viral suppression, defined as all viral load measurements documented undetectable or <200 copies/mL as measured by medical record review; 2) antiretroviral dose adherence, defined as took all prescribed antiretroviral doses during the past 30 days among persons taking antiretroviral therapy; 3) self-reported disability, defined as serious difficulties with hearing, seeing, cognition, mobility, self-care, or independent living; 4) emergency room visit, defined as any visit to an emergency room; 5) hospitalization defined as any inpatient hospitalization.

**Includes 1) symptoms of major or other depression, symptoms consistent with a diagnosis of major or other depressive disorder as measured by the Patient Health Questionnaire-8 among those with any mental health service need; and 2) symptoms of generalized anxiety disorder, symptoms consistent with a diagnosis of generalized anxiety disorder as measured by the Generalized Anxiety Disorder-7 among those with any mental health service need.

††Includes 1) some college education or higher educational attainment, defined as attended college or received a college degree, and 2) household income at or below poverty threshold, defined as past calendar year household income at or below poverty threshold according to Health and Human Services poverty guidelines.

†§§Includes 1) unmet need for food assistance/food stamps, defined as needed but did not receive food assistance or food stamps, and 2) unmet need for food/meal delivery, defined as needed but did not receive food or meal delivery.

***Includes unmet need for shelter or housing services, defined as needed but did not receive shelter or housing services.

Coefficient of variation > 0.30, estimate might be unstable and should be interpreted with caution.