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Behaviors and characteristics of current and previous users of Glucagon-Like Peptide-1 Receptor Agonists (GLP-1) in an online health community

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Background

- Glucagon-like peptide-1 (GLP-1) receptor agonists have emerged as a promising tool for weight management.¹
- Recent research suggests that GLP-1 agonists, when combined with other weight loss programs, may offer a more robust and sustainable approach to achieving and maintaining healthy body weight.²

Objectives

 This analysis examines the the behaviors and characteristics associated with current versus previous GLP-1 users.

Methods

STUDY POPULATION

- 109,126 US adults from an online community responded to a survey on their experiences with weight management strategies in October 2023.
- They were asked about weight management tools such as dieting, exercise, food diaries, in-person and on-line support programs, oral prescription medication, and injectable prescription medication.

DESCRIPTIVE ANALYSIS

 Individuals were classified as never, current or previous users of GLP-1 medications and compared across weight status, demographic characteristics, and their weight management strategies.

References

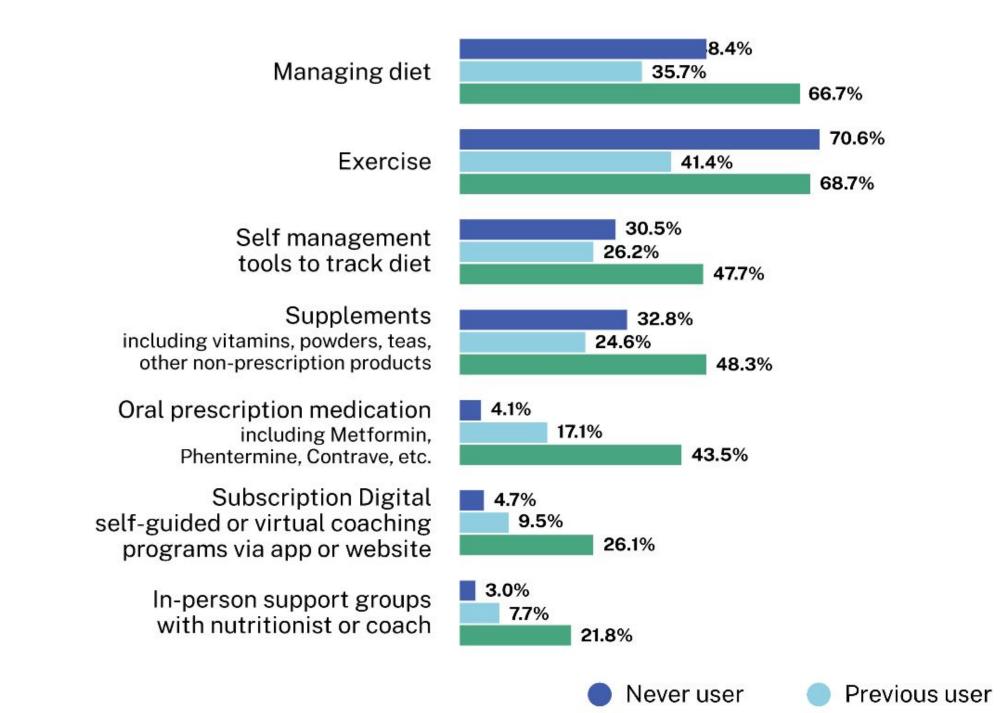
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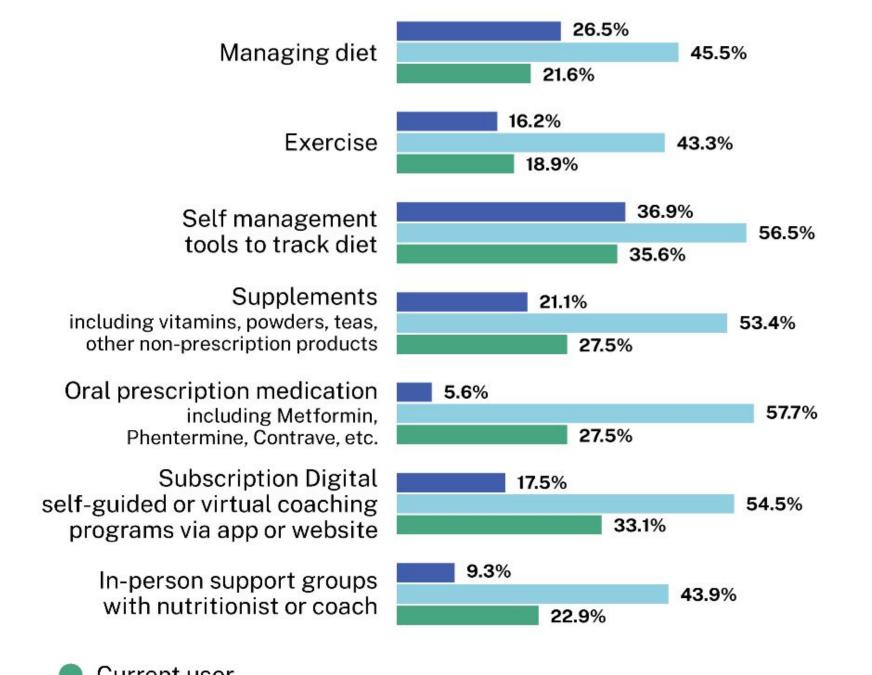
Results STUDY POPULATION

Baseline Characteristics		Never user N = 109126	Previous user N = 4237	Current user N = 5651	р
Age	Mean years (SD) Female, n (%)	40.37 (12.39) 84310 (77.3)	39.98 (10.95) 3216 (75.9)	42.85 (11.28) 4459 (78.9)	<0.001
Education (%)	Graduate/Professional Degree College Degree Other (High school, GED, trade school, other)	27646 (25.3) 49273 (45.2) 32208 (29.5)	929 (21.9) 1710 (40.4) 1598 (37.6)	1366 (24.2) 2387 (42.2) 1898 (33.5)	<0.001
Income (%)	Less than \$25,000 \$25,000-\$49,999 \$50,000-\$99,999 \$100,000-\$149,999 \$150,000 or more I prefer not to answer	6686 (6.1) 15,329 (14.1) 32,372 (29.7) 19399 (17.8) 13467 (12.3) 21873 (20.0)	304 (7.2) 709 (16.8) 1261 (29.8) 689 (16.3) 462 (10.9) 812 (19.2)	283 (5.0) 774 (13.7) 1781 (31.5) 1036 (18.3) 772 (13.7) 1005 (17.8)	<0.001
Non-Hispanice White		82212 (75.3)	2888 (68.2)	4079 (72.2)	<0.001
Private Insurance (%)		79242 (76.7)	2532 (63.7)	4071 (75.1)	<0.001
BMI (%)	Underweight Normal Overweight Obese	1139 (1.0) 36470 (33.4) 34441 (31.6) 37076 (34.0)	62 (1.5) 760 (17.9) 1138 (26.9) 2277 (53.7)	60 (1.1) 993 (17.6) 1562 (27.6) 3036 (53.7)	0,274
Satisfaction with weight (%)	Very satisfied Satisfied Neither satisfied nor dissatisfied Dissatisfied Very dissatisfied	5190 (4.8) 21312 (19.5) 18934 (17.4) 41595 (38.1) 22095 (20.2)	138 (3.3) 648 (15.3) 930 (21.9) 1355 (32.0) 1166 (27.5)	273 (4.8) 1051 (18.6) 974 (17.2) 2036 (36.0) 1317 (23.3)	<0.001
Actively managing weight in the past 6-months (%)	Yes, I was/have been focused on losing weight.	65930 (60.4)	2612 (61.6)	4472 (79.1)	<0.001
Current weight management goal (%)	Trying to lose 10+ pounds (%) Trying to lose 1-9 pounds (%) Trying to tone or build muscle (%) Trying to maintain current weight/size (%)	56328 (51.6) 25409 (23.3) 46786 (42.9) 15390 (14.1)	2452 (57.9) 775 (18.3) 1266 (29.9) 513 (12.1)	3942 (69.8) 832 (14.7) 1790 (31.7) 676 (12.0)	<0.001 <0.001 0,059 0,851
Currently diagnosed OR taken prescription medications OR taken supplements in the past 6 month (%)	Type 2 diabetes(%) Pre-diabetes (%) High cholesterol (%) High blood pressure (%) Anxiety (%) Depression (%) Loneliness or isolation (%) Perimenopause (%) Menopause (%) Pregnancy (%) Type-1 diabetes (%) Nonalcoholic steatohepatitis (NASH) or Nonalcoholic Fatty Liver Disease (NAFLD) (%) Cardiovascular disease (%) Cancer (%) Trouble sleeping (%) Sleep apnea (%) Arthritis or joint pain (%) Thyroid disease (%)	3320 (3.0) 5773 (5.3) 17679 (16.2) 16152 (14.8) 39123 (35.9) 29429 (27.0) 15971 (14.6) 7629 (7.0) 8375 (7.7) 5204 (4.8) 1863 (1.7) 2194 (2.0) 2693 (2.5) 2245 (2.1) 33969 (31.1) 6562 (6.0) 20771 (19.0) 9599 (8.8)	850 (20.1) 899 (21.2) 1323 (31.2) 1323 (31.2) 2208 (52.1) 1860 (43.9) 1226 (28.9) 986 (23.3) 923 (21.8) 717 (16.9) 649 (15.3) 657 (15.5) 600 (14.2) 539 (12.7) 1585 (37.4) 822 (19.4) 1231 (29.1) 952 (22.5)	1589 (28.1) 1024 (18.1) 1774 (31.4) 1816 (32.1) 2506 (44.3) 2041 (36.1) 1083 (19.2) 787 (13.9) 885 (15.7) 385 (6.8) 455 (8.1) 524 (9.3) 442 (7.8) 357 (6.3) 1967 (34.8) 953 (16.9) 1399 (24.8) 934 (16.5)	<0.001 <0.001 0,876 0,347 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001





Previously tried weight management approach (%)



Discussion

- 9888 (10%) used or are using GLP-1 medications to manage their weight.
- Users are more likely to be Black (11.7%) or Hispanic (11.5%), versus never users (4.2%, 5.0%), respectively.
- Compared to previous users, current users are more likely to have private insurance (75.1% vs. 63.7%) and focus on losing >10 pounds (69.8% vs. 57.9%) in the past 6 months.
- Previous users are less likely to be actively using diet, exercise, self management tools, oral prescription medication, and subscription digital or in-person support groups to manage their weight, but are more likely to report having tried those same weight management tools in the past, a concern given (32%) are still dissatisfied and (27.5%) are very dissatisfied with their weight; half of previous users (53.7%) have a BMI that classifies them as obese.

Conclusions

- Our findings suggest that insurance coverage may play a crucial role in determining access to GLP-1 medications.
- Beyond access, future research should prioritize investigating the obstacles to accessing and maintaining weight management strategies that are crucial for patients using GLP-1 medications ensuring that patients can sustain these strategies after they discontinue GLP-1 medication use.



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