

# Sexual Satisfaction After Wearable Device Use For Erectile Dysfunction

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## Overview

### *Aim*

Erectile dysfunction (ED) is the inability to achieve and maintain an erection firm enough for sexual performance. ED devices such as pumps and constriction devices and prescription oral phosphodiesterase inhibitors are commonly known ED treatments. Our aim was to evaluate an alternative therapy for ED for the approximately 80 percent of men who currently do not use any form of the aforementioned ED treatment options. Eddie by Giddy™ is a device that allows patients to use a novel constriction device to enhance the normal physiology of an erection to treat ED. Medical comorbidities such as anxiety, ADHD, obesity, hypertension, diabetes and depression, as well as medications such as antidepressants, anti anxiety medications, opioids and cardiac medications can impact erectile function. Our goal was to specifically evaluate the efficacy of the device in the general patient populations.

### *Methods*

Our research team surveyed 60 male participants (59 who completed the study), 26 – 81 years of age, about their erectile performance over a 12 week period of time, during which participants utilized the Eddie by Giddy device. Participants completed an intake assessment, medical history, and reported on their sexual behavior and erectile performance as they used the device over the 12 weeks, during which patients rated their experience with the device, self-esteem, quality of life changes, the impact on their relationships, frequency of erections, duration of erections and the quality of erections.

### *Results*

Participants showed improvement in all but one question in the survey over the 12 week period, with a particularly higher improvement between weeks 4 and 8, and sustained that improved sexual function and erection quantity and quality through week 12. Of the participants who concluded the study, 95 percent reported having overall positive results from using the Eddie by Giddy device. With respect to the survey questions, participants on average showed a 63 percent improvement in number of times attempting to receive oral sex, a 53 percent improvement in ability to maintain an erection during masturbation, a 52 percent improvement in confidence to perform sexually, and a 47 percent improvement in satisfaction of erections when attempting sexual intercourse.

### *Conclusions*

Attitudes of participants with ED using Eddie® showed strong, significant improvement in erectile function, quality of life, hopefulness for future sex life and overall self-esteem in all categories of patients. Eddie by Giddy use over 12 weeks was shown to improve satisfaction among male participants of sexual health and mental health without the need for oral medication.

**Keywords:** Erectile Dysfunction, Sexual Health, Male Coaching, Depression

## Introduction

Erectile dysfunction (ED) is defined by the inability to achieve or maintain an erection for sufficient sexual performance.<sup>1</sup> There is variation in prevalence by country and by associated comorbidity. Historically, ED is associated with advanced age, heart disease, diabetes, obesity, prescription medication use, alcohol use, and depression.<sup>2-7</sup>

The introduction and widespread marketing of oral phosphodiesterase inhibitors (including sildenafil and tadalafil) has increased public awareness of ED and increased treatment for the condition.<sup>8</sup> Unfortunately fewer than one in three men seek help or treatment for the condition. Oral therapy requires a medical evaluation for a prescription and can be associated with severe side effects, both of which may be barriers to use. Additionally, a significant population of men with ED symptoms do not acknowledge their diagnoses of ED and therefore can be reluctant to take ED medication. There is a role for a non-pharmacologic, non-prescription alternative to help these patients treat their ED.

Alternatives to oral therapies include constriction devices (with or without vacuum pumps), intracavernosal injections, intraurethral suppositories, and surgical implantation of a prosthesis.<sup>9-11</sup> Eddie by Giddy (Figure 1) is an FDA registered Class II medical device that is available without medical evaluation or prescription. It is a wearable constriction device with a unique shape and function that differentiates it from other wearable devices. The horseshoe-shaped device is placed around the base of the penis with the opening inferior. A tension band is applied around the opening to provide compression to the corpora cavernosa. Due to its unique shape, there is minimal pressure to the corpus spongiosum; hence, reduced risk of discomfort with ejaculation or decreased blood flow to the glans penis. There are four sizes of Eddie based on penile girth and two types of constriction bands, so the proper fit and desired amount of constriction can be adjusted. Eddie by Giddy can be used as first-line or second-line therapy and can be used in conjunction with oral therapy. There have been no prior published studies on the use of Eddie.

We prospectively studied new users of Eddie by Giddy to ascertain the efficacy and satisfaction of this treatment. To avoid any "novelty effect" of a new device, we followed users longitudinally for 12 weeks. There are many medical comorbidities that impact erectile function such as diabetes, hypertension, depression, and anxiety. Many of our participants had medical comorbidities (including mental health issues) and took various medications to treat their respective comorbidities. Our aim was not only to evaluate the results of the group as a whole but also to examine subcategories to determine if there were any identifiable groups for which the device was more or less effective.

## Methods

### *Study Methodology and Demographics*

Our study population consisted of 60 men (59 of which completed the study) aged 26-81 (mean age of 33) in the Austin, Texas area who responded to media ads in the local paper and/or on social media. The ad sought qualified candidates to use the wearable ED device at home and visit the study site to provide feedback about their experience. Exclusion criteria included patients with a mental or physical condition that makes erection achievement impossible, participants under age 18, and patients with limited manual dexterity (such as arthritis). Sixty patients were enrolled and 59 completed the study. (The one participant who dropped out reported that he was satisfied with the device but was unable/unwilling to complete the additional surveys.) Demographic data is summarized in Figure 2.

The first visit was conducted in person by the research team. Each participant filled out a 65-question survey during each visit on an electronic tablet reviewing their sexual history over the last 3 months, as well as a background section that inquired about other medical conditions, treatments used beforehand, and medication use (Table 1). The study instrument was developed by the authors to more comprehensively evaluate sexual performance and satisfaction. Participants were given an appropriately sized Eddie by Giddy constriction device and shown the educational video on how to properly use the device. The clinical team was available for clarification and to answer questions about proper usage. Visit 2 and visit 3 encounters were performed electronically secondary to the COVID pandemic. Visit 2 was performed 4 weeks after visit 1. Patients were given a series of questions reviewing their experiences with the device over the prior four weeks. Visit 3 was conducted 4 weeks later with similar questions. Visit 4, the final encounter, was performed in person 4 weeks later, 12 weeks after the initiation of the study. The questions from visits 2, 3, and 4 were identical.

For each question and participant, we calculated the overall percent improvement—from visit one to visit four (Formula 1).

$$\text{Overall Improvement} = I_{v1 \rightarrow v4} = \frac{\text{Visit 4 Score} - \text{Visit 1 Score}}{\text{Visit 1 Score}} \quad (1)$$

## Results

During the intake visit, the average length of time of participants noted that they struggled with erections for the purpose of masturbation was 1 – 2 years and 40% of participants (24/60) struggled with erections for the purpose of masturbation for over two years. These numbers were identical for oral sex. The average length of time they struggled with erections for the purpose of sexual intercourse was 2 – 3 years and 58% (35/60) struggled with erections for the purpose of sexual intercourse for over 2 years. Patients did report the sizing of their penis with variable sized devices by Giddy (A through D), with A showing smallest girth (5/60), B (14/60), C (20/60) and D the largest girth (19/60).

### *Overall Attitudes and Behaviors*

A summary of the participants' responses in regards to altered status of their ED from using Eddie is presented in Table 2 along with Figures 3 – 5. Responses here were divided into overall improvement during the course of the 12 week monitoring and survey period. The results were shown by averaging the responses on a scale in each category.

Participants who noted that they had ED (40/60) (Figure 6) showed a higher relative improvement in satisfaction with use of Eddie than those who did not note that they had ED. Many times ED is only classified by the patient if medically diagnosed by a physician. The sexual dissatisfaction may be contributed to non ED reasons, and use of Eddie in non-ED-identifying patients showed improvement as well, reinforcing the underdiagnosis of ED. Participants that had tried other ED solutions trended towards improved satisfaction after just 4 weeks of use of Eddie.

Participants with prior use of ED treatment/wearable device (24/60), prior use of prescription ED medications (25/60), prior use of OTC medications (12/60), and prior use of holistic or herbal treatments (15/60) all showed improvement in satisfaction (Figure 7). This is encouraging for those patients who continue to remain unsatisfied with treatments that have been in use prior to using Eddie. Depression (13/60), anxiety (12/60), and ADD-ADHD (8/60) were the mental health categories studied with participants. Participants in all of these categories, notably anxiety, showed improved satisfaction over 12 weeks of use (Figure 8).

Participants with hypertension (9/60) and obesity (5/60) both noted improvement in satisfaction (Figure 9). These medical conditions associated with ED are contributing factors to ED from a vasculogenic and endocrine standpoint. A trend was noted after just four weeks of use and continued to trend upwards for both categories. Participants using hypertension medications (7/60) and antidepressants (7/60) showed a notable increase in satisfaction, particularly with the patients taking antihypertensives studied (Figure 10).

### **Discussion**

ED is a common problem for men and there are multiple treatment options. Constriction devices are a commonly used intervention but there is very little published data on their efficacy or user satisfaction. Eddie by Giddy is a novel type of constriction device and this is the first study evaluating satisfaction of its users. Participants were followed longitudinally for 12 weeks with serial extensive surveys. There are medical comorbidities (including mental health issues) as well as medication use that can impact ED. Our aim was to evaluate the group as a whole but also to evaluate these subcategories to determine if there were any groups for which the device was more or less effective. Moreover, our goal was to evaluate efficacy of the device in multiple dimensions of sexual health and sexual activity, including overall performance, quality of life, impact on relationships, sex drive, masturbation, oral sex, and penetrative intercourse.

When the participants were evaluated as a group, there was overall improvement in sexual activity after commencement of use of the Eddie device. Subgroup analysis of participants with (self-identified) diagnoses of ADD/ADHD, anxiety, and depression also showed improvement. This was true for participants with and without a prior diagnosis of ED. Participants with a history of hypertension and obesity also showed improvement. In terms of medication usage, participants who reported taking antidepressants and antihypertensives reported improvement. Finally, participants who had previously used other modalities of ED treatment including prescription medications, supplements, wearable devices, and over the counter medications all reported improvements with Eddie.

Multiple dimensions of sexual health and sexual activity were also evaluated. Participants reported improvement in multiple domains of sexual activity including masturbation, oral sex, intercourse, and overall sexual performance. Participants also reported increased sex drive and desire, improved erections, and overall improvement in quality of life. In terms of relationships, participants reported improvement. Limitations of this study include its small size and use of a non-validated questionnaire. Medical conditions and medication use were self-identified.

## Conclusions

This is the first published data evaluating the efficacy of a novel constriction device for the treatment of erectile dysfunction (ED). We found that participants had improvement in multiple aspects of sexual performance. This improvement was true across multiple broad categories including medical comorbidities, medication use, and prior treatment. While the mainstay of ED medications remains oral prescription phosphodiesterase inhibitors, there remains a stigma with initial diagnosis of ED by a medical provider, and thus many patients seek out treatment for improvement in sexual experience without medical evaluation. The direct improvement in satisfaction in all categories we found provides evidence that Eddie by Giddy, the wearable ED treatment, can aid in improving sexual performance. The added benefit as a treatment option for patients with comorbidities and other medical conditions, provides a non-medicated option that showed improved satisfaction in patients with both psychiatric and vasculopathic illness. The treatment algorithm for ED must include these patients that are underdiagnosed, that Eddie by Giddy is a safer alternative to prescription ED medication, and the patients surveyed showed there is device that can assist them to improve both sexual health practices and overcoming the stigma of a prescription oral pill being needed to enjoy a more satisfying sexual life.

## Figures & Tables

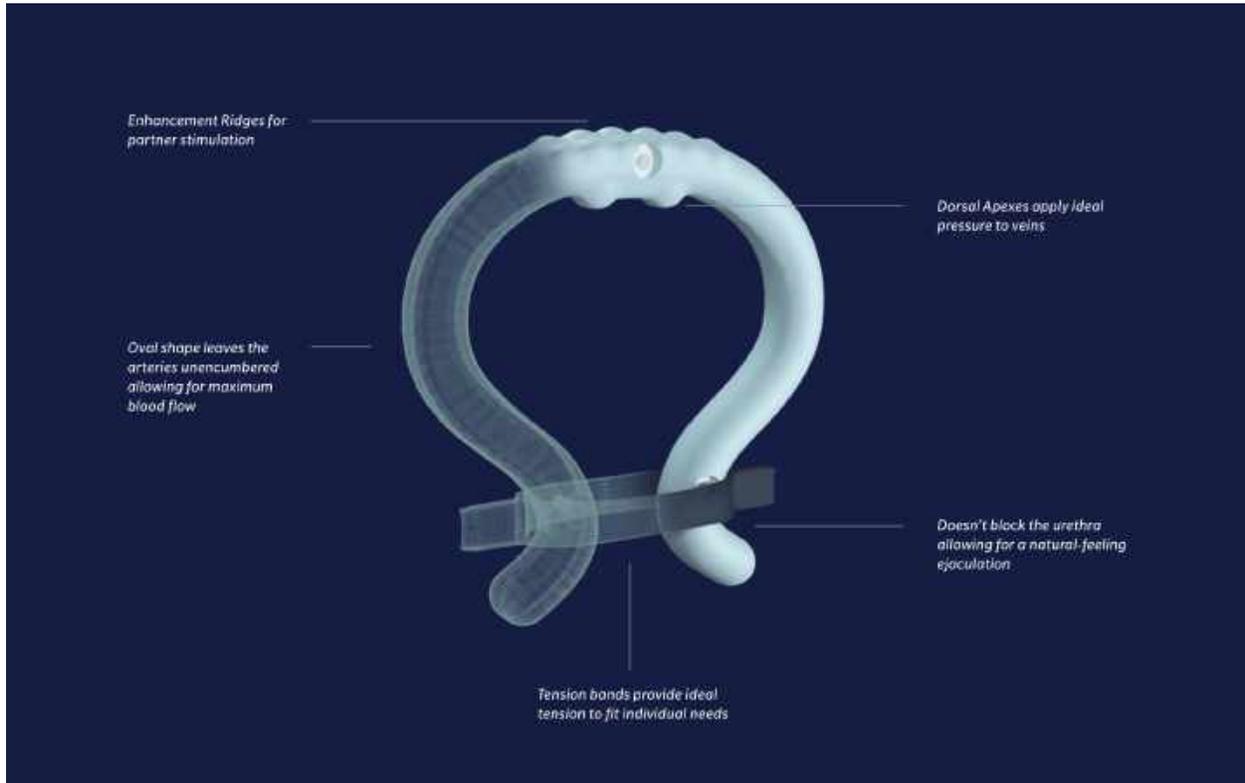


Figure 1: Diagram of ED Device

# Participants

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**Average Age: 33**

**Age Range: 26-81**

**Demographics**

- White/Caucasian: 61%
- Black/African American: 10%
- Latino/Hispanic: 19%
- Asian: 5%
- Pacific Islander: 3.5%
- Other: 1.5%

**Medical Conditions**

- Hypertension: 15%
- Obesity: 8.5%

**Mental Health Conditions**

- Depression: 22%
- Anxiety: 20%
- ADD/ADDHD: 15%

**Sexual Health Conditions**

ED: 68%

**Medications**

- Anti-depression Medication: 12%
- Hypertension Medication: 12%

**Previous ED Treatments**

- Prescription: 42%
- Constriction Device: 41%
- Supplements: 25.5%
- Over the Counter: 20%

Figure 2: Participant Overview

Table 1: Intake Questions

1. First Name: \_\_\_\_\_

2. Last Name: \_\_\_\_\_

3. Please enter your email address: \_\_\_\_\_

4. Please enter your phone number: \_\_\_\_\_

5. What is your age? \_\_\_\_\_

6. Age \_\_\_\_\_

7. What is your height? \_\_\_\_\_

8. What is your weight? \_\_\_\_\_

9. Please select your ethnicity: \_\_\_\_\_

10. Are you a military veteran or active military? \_\_\_\_\_

11. What's your current employment status? \_\_\_\_\_

12. What is your yearly household income? \_\_\_\_\_

13. Medical Conditions \_\_\_\_\_

14. Do you have an active checking account? (For compensation purposes) \_\_\_\_\_

15. Are you experiencing any of the following mental health conditions? Please select all that apply. \_\_\_\_\_

16. Please describe your mental health issues: \_\_\_\_\_

17. Are you experiencing any of the following STIs/STDs? Please select all that apply. \_\_\_\_\_

18. Please describe your other STDs/STIs: \_\_\_\_\_

19. Are you living with any of the following types of cancer? Please select any that apply. \_\_\_\_\_

20. Please describe the type of cancer you're living with: \_\_\_\_\_

21. Do you have any of the following heart health conditions? Please select all that apply. \_\_\_\_\_

22. Please describe the Heart Health issues you're living with: \_\_\_\_\_

23. Do you have any of the following sexual health conditions? Please select all that apply. \_\_\_\_\_

24. Please describe the sexual health condition you're living with: \_\_\_\_\_

25. Do you have any of the following general health conditions? Please select all that apply. \_\_\_\_\_

26. Please describe your General Health issue: \_\_\_\_\_

27. Do you have a penis? \_\_\_\_\_

28. Have you been diagnosed with any mental or physical conditions that make achieving or maintaining an erection difficult or impossible? \_\_\_\_\_

29. Please describe: \_\_\_\_\_

30. Have you been diagnosed with arthritis in your hands, or any disabilities or impairments that limit full use of your hands? \_\_\_\_\_

31. Please describe: \_\_\_\_\_

32. What prescription medications are you currently taking? (Select all that apply. Items in parenthesis are only examples, not a complete list.) \_\_\_\_\_

33. Please describe the prescription medications you're taking: \_\_\_\_\_

34. Are you experiencing any side effects from these medications that contribute to your ED?  
\_\_\_\_\_
35. Please select any recreational drugs you're currently taking. (Select all that apply. Items in parenthesis are examples only, not a complete list.)  
\_\_\_\_\_
36. How many alcoholic beverages do you consume per week?  
\_\_\_\_\_
37. How many cigarettes do you smoke per day?  
\_\_\_\_\_
38. What is your relationship status?  
\_\_\_\_\_
39. How many sexual partners do you currently have?  
\_\_\_\_\_
40. What is your sexual preference?  
\_\_\_\_\_
41. Please select any form of STI/STD protection/contraception you're currently using. (Select all that apply.)  
\_\_\_\_\_
42. Please describe the STI/STD protection/contraception you're using:  
\_\_\_\_\_
43. What ED treatments or ED products have you tried? (Select all that apply. Items in parenthesis are only examples, not a complete list.)  
\_\_\_\_\_
44. Please describe the other types of ED products you have tried:  
\_\_\_\_\_
45. How satisfied are you with the ED treatments or products you have tried?  
\_\_\_\_\_
46. Are you able to achieve an erection?  
\_\_\_\_\_
47. How long do your erections currently last?  
\_\_\_\_\_
48. How long would you like your erections to last?  
\_\_\_\_\_
49. How would you describe your level of interest in sexual activity?  
\_\_\_\_\_
50. In the last 3 months, how often have you felt like you were capable of engaging in sexual activity?  
\_\_\_\_\_
51. In the last 3 months, how often have you experienced difficulty achieving an erection during sexual contact?  
\_\_\_\_\_
52. In the last 3 months, how often have you experienced difficulty maintaining an erection during sexual contact?  
\_\_\_\_\_
53. How long have you had difficulty getting or maintaining an erection?  
\_\_\_\_\_
54. In the last 3 months, how would you describe the frequency of your erections when trying to engage in sexual activity?  
\_\_\_\_\_
55. In the last four weeks, how often did you attempt to masturbate?  
\_\_\_\_\_
56. In the last four weeks, how often were you able to masturbate to the point of orgasm/climax?  
\_\_\_\_\_
57. In the last four weeks, how often did you watch pornography?  
\_\_\_\_\_
58. In the last four weeks, how often did you attempt to engage in (receive) oral sex?  
\_\_\_\_\_
59. When you attempted to receive oral sex, how often were you able to maintain an erection to the point of orgasm/climax?  
\_\_\_\_\_
60. In the last four weeks, how often did you attempt to have sexual intercourse?  
\_\_\_\_\_
61. In the last four weeks, when you attempted sexual intercourse, how often were you able to maintain an erection to the point of orgasm/climax?  
\_\_\_\_\_
62. In the last four weeks, how often have you woken up with an erection?  
\_\_\_\_\_
63. In the last four weeks, how satisfied are you with the quality of your erections?  
\_\_\_\_\_
64. What are your expectations for this study?  
\_\_\_\_\_
65. Will you be able to attend all three in-person visits at the study site in Austin, Texas that will be scheduled between 5/3/21 and 7/30/21?  
\_\_\_\_\_

Table 2: Visit Statistics

	Visit 1	Visit 2	Visit 3	Visit 4	Percent Change (V2 from V1)	Percent Change (V3 from V2)	Percent Change (V3 from V2)	Percent Change (V4 from V3)	Percent Change (V4 from V1)
1. How often have you felt sexual desire?	3.60	3.81	3.73	3.81	6%	-2%	2%	6%	6%
2. How would you rate your level of sexual desire?	3.27	3.36	3.49	3.86	3%	4%	11%	17%	18%
3. How satisfied have you been with your overall sex life?	2.52	3.22	3.34	3.59	28%	4%	8%	39%	43%
4. How would you rate your confidence that you could achieve an erection?	2.93	3.54	3.61	4.07	21%	2%	13%	35%	39%
5. How would you rate your confidence that you could keep an erection long enough to climax/orgasm?	2.70	3.44	3.68	4.03	27%	7%	10%	44%	49%
6. How would you rate your overall satisfaction level with your erections?	2.70	3.25	3.59	3.98	21%	10%	11%	42%	48%
7. How would you rate the quality of your erections?	2.77	3.34	3.61	3.88	21%	8%	8%	36%	40%
8. How often have you felt the desire to masturbate?	4.00	4.08	4.32	4.42	2%	6%	2%	10%	11%
9. How often have you felt like you were capable of masturbating?	4.22	4.92	5.07	5.17	17%	3%	2%	22%	23%
10. How often did you attempt masturbation?	2.68	3.08	3.31	3.31	15%	7%	0%	22%	23%
11. When you attempted masturbation, how often were you satisfied with your erection?	3.70	4.69	4.75	5.12	27%	1%	8%	36%	38%
12. How much have you enjoyed masturbation?	3.83	4.51	4.63	4.90	18%	3%	6%	26%	28%
13. When you attempted masturbation, how often were you able to achieve an erection?	4.08	5.08	5.08	5.27	25%	0%	4%	28%	29%
14. When you were able to achieve an erection for masturbation, how long were you able to maintain your erection?	2.77	4.02	4.12	4.24	45%	3%	3%	51%	53%
15. When you were able to achieve an erection for masturbation, how often were you able to maintain your erection to completion, i.e. To the point of ejaculation/climax/orgasm?	4.15	5.05	4.98	5.29	22%	-1%	6%	26%	27%
16. How often have you felt the desire to receive oral sex?	4.10	4.19	4.15	4.46	2%	-1%	7%	9%	9%
17. How often have you felt like you were capable of receiving oral sex?	3.87	4.90	4.86	4.83	27%	-1%	-1%	25%	25%
18. How often did you attempt to receive oral sex?	1.97	2.27	2.54	2.56	15%	12%	1%	28%	30%
19. When you attempted to receive oral sex, how often were you satisfied with your erection?	3.17	3.93	3.95	4.46	24%	0%	13%	37%	41%
20. How much have you enjoyed receiving oral sex?	3.52	3.81	4.10	4.41	8%	8%	7%	23%	25%
21. When you attempted to receive oral sex, how often were you able to achieve an erection?	3.62	4.07	4.31	4.76	12%	6%	11%	29%	32%

	Visit 1	Visit 2	Visit 3	Visit 4	Percent Change (V2 from V1)	Percent Change (V3 from V2)	Percent Change (V3 from V2)	Percent Change (V4 from V3)	Percent Change (V4 from V1)
22. When you were able to achieve an erection to receive oral sex, how long were you able to maintain your erection?	2.45	3.34	3.80	3.98	36%	14%	5%	55%	63%
23. When you were able to achieve an erection to receive oral sex, how often were you able to maintain your erection to completion, i.e. to the point of ejaculation/climax/orgasm?	3.12	3.83	4.22	4.47	23%	10%	6%	39%	44%
24. How much have you felt the desire to have sexual intercourse?	4.35	4.83	4.90	5.10	11%	1%	4%	17%	17%
25. How often have you felt capable of having sexual intercourse?	3.77	4.97	4.97	5.12	32%	0%	3%	35%	36%
26. How often did you attempt sexual intercourse?	2.25	2.81	2.97	2.81	25%	5%	-5%	25%	25%
27. When you attempted sexual intercourse, how often were you satisfied with your erection?	3.28	4.58	4.66	4.83	39%	2%	4%	45%	47%
28. How would you rate your enjoyment during sexual intercourse?	3.78	4.49	4.73	4.85	19%	5%	3%	27%	28%
29. When you attempted sexual intercourse, how often were you able to achieve an erection?	3.97	4.78	4.83	4.98	20%	1%	3%	25%	26%
30. When you attempted sexual intercourse, how often were you able to penetrate (enter) your partner?	3.88	4.90	5.07	5.27	26%	3%	4%	34%	36%
31. During sexual intercourse, how often were you able to maintain your erection after you had penetrated (entered) your partner?	3.68	4.80	4.90	5.12	30%	2%	4%	37%	39%
32. When you were able to achieve an erection for sexual intercourse, how long were you able to maintain your erection?	3.00	3.93	4.19	4.39	31%	6%	5%	42%	46%
33. When you were able to achieve an erection for sexual intercourse, how long were you able to maintain your erection?	3.62	4.75	4.64	5.00	31%	-2%	8%	37%	38%
34. When you were able to achieve an erection for sexual intercourse, how often were you able to maintain your erection to completion, i.e. to the point of ejaculation/climax/orgasm?	2.58	3.53	3.63	3.93	36%	3%	8%	48%	52%
35. How would you rate your confidence in your ability to perform sexually?	2.82	3.49	3.58	3.76	24%	2%	5%	32%	34%
36. How would you rate your confidence that you have pleased your partner sexually?	2.68	3.20	3.66	3.80	19%	14%	4%	37%	41%
37. How would you rate your intimacy levels?	3.52	3.76	4.08	4.07	7%	9%	0%	15%	16%
38. How would you rate the overall quality of your relationship?	3.55	3.66	3.95	4.00	3%	8%	1%	12%	14%

	Visit 1	Visit 2	Visit 3	Visit 4	Percent Change (V2 from V1)	Percent Change (V3 from V2)	Percent Change (V3 from V2)	Percent Change (V4 from V3)	Percent Change (V4 from V1)
<b>39.</b> How would you rate your level of output for household chores and/or errands?	<b>3.62</b>	<b>3.41</b>	<b>3.44</b>	<b>3.54</b>	<b>-6%</b>	<b>1%</b>	<b>3%</b>	<b>-2%</b>	<b>-2%</b>
<b>40.</b> How would you rate the level of closeness in your relationship?	<b>3.35</b>	<b>3.47</b>	<b>3.93</b>	<b>3.85</b>	<b>4%</b>	<b>13%</b>	<b>-2%</b>	<b>15%</b>	<b>15%</b>
<b>41.</b> How would you rate your level of self-esteem?	<b>3.10</b>	<b>3.39</b>	<b>3.54</b>	<b>3.80</b>	<b>9%</b>	<b>5%</b>	<b>7%</b>	<b>21%</b>	<b>22%</b>
<b>42.</b> How would you rate your overall confidence?	<b>3.17</b>	<b>3.36</b>	<b>3.53</b>	<b>3.78</b>	<b>6%</b>	<b>5%</b>	<b>7%</b>	<b>18%</b>	<b>19%</b>
<b>43.</b> How would you describe your overall mood?	<b>3.43</b>	<b>3.34</b>	<b>3.61</b>	<b>3.76</b>	<b>-3%</b>	<b>8%</b>	<b>4%</b>	<b>10%</b>	<b>10%</b>
<b>44.</b> How would you describe your overall quality of life?	<b>3.72</b>	<b>3.56</b>	<b>4.73</b>	<b>4.56</b>	<b>-4%</b>	<b>33%</b>	<b>-4%</b>	<b>25%</b>	<b>23%</b>
<b>45.</b> How would you describe your level of physical activity?	<b>3.10</b>	<b>3.02</b>	<b>3.20</b>	<b>3.36</b>	<b>-3%</b>	<b>6%</b>	<b>5%</b>	<b>8%</b>	<b>8%</b>
<b>46.</b> How would you describe your level of hopefulness for your future sex life?	<b>3.52</b>	<b>3.78</b>	<b>3.81</b>	<b>4.00</b>	<b>7%</b>	<b>1%</b>	<b>5%</b>	<b>13%</b>	<b>14%</b>
<b>47.</b> How would you rate your partner's sexual interest in you?	<b>3.88</b>	<b>3.88</b>	<b>3.88</b>	<b>3.88</b>	<b>9%</b>	<b>7%</b>	<b>3%</b>	<b>20%</b>	<b>21%</b>

### Overall Improvement in Questions Related to Oral Sex

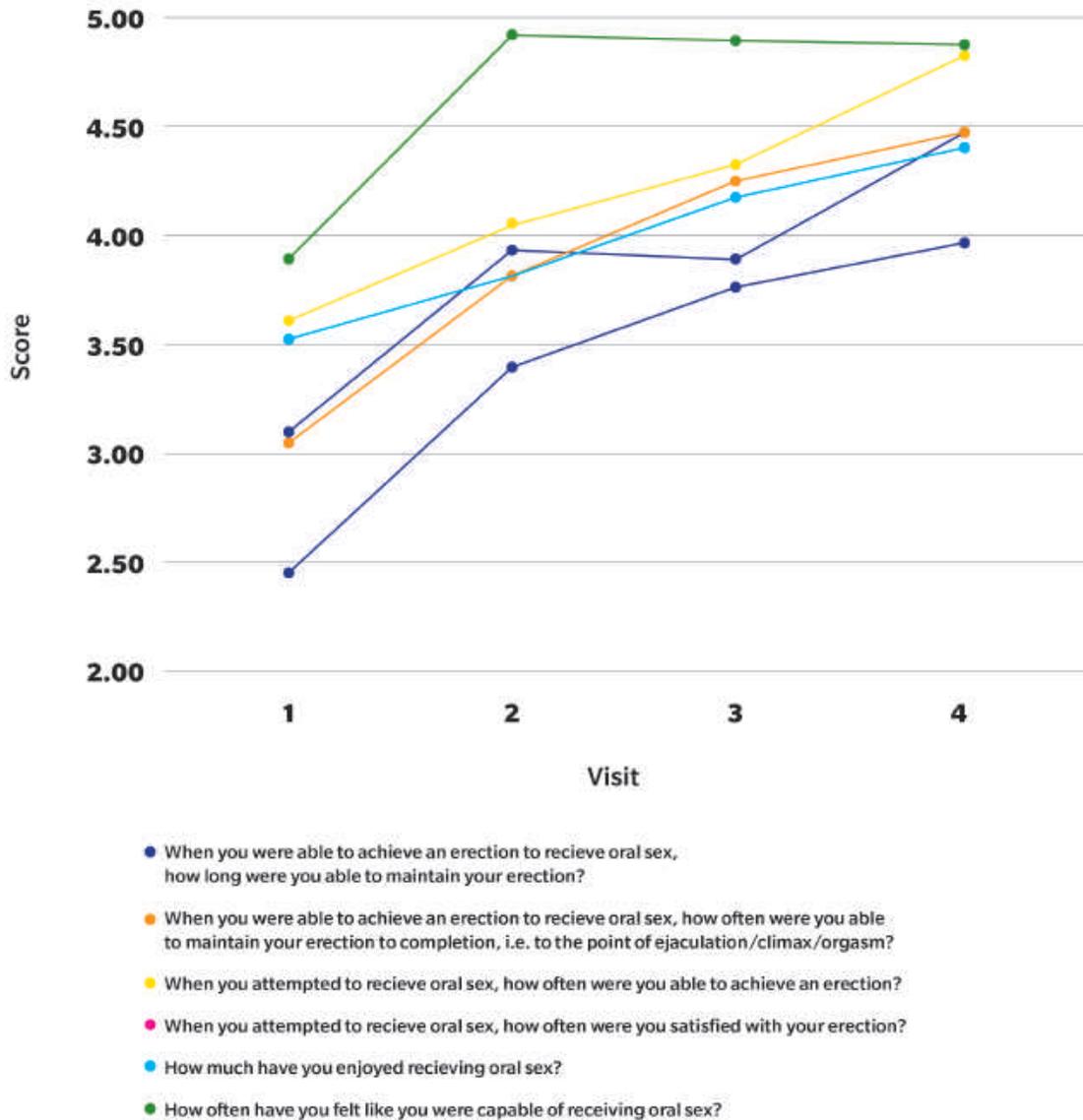


Figure 3: Overall improvement in questions related to oral sex

## Overall Improvement in Questions Related to General Performance and Erection Quality

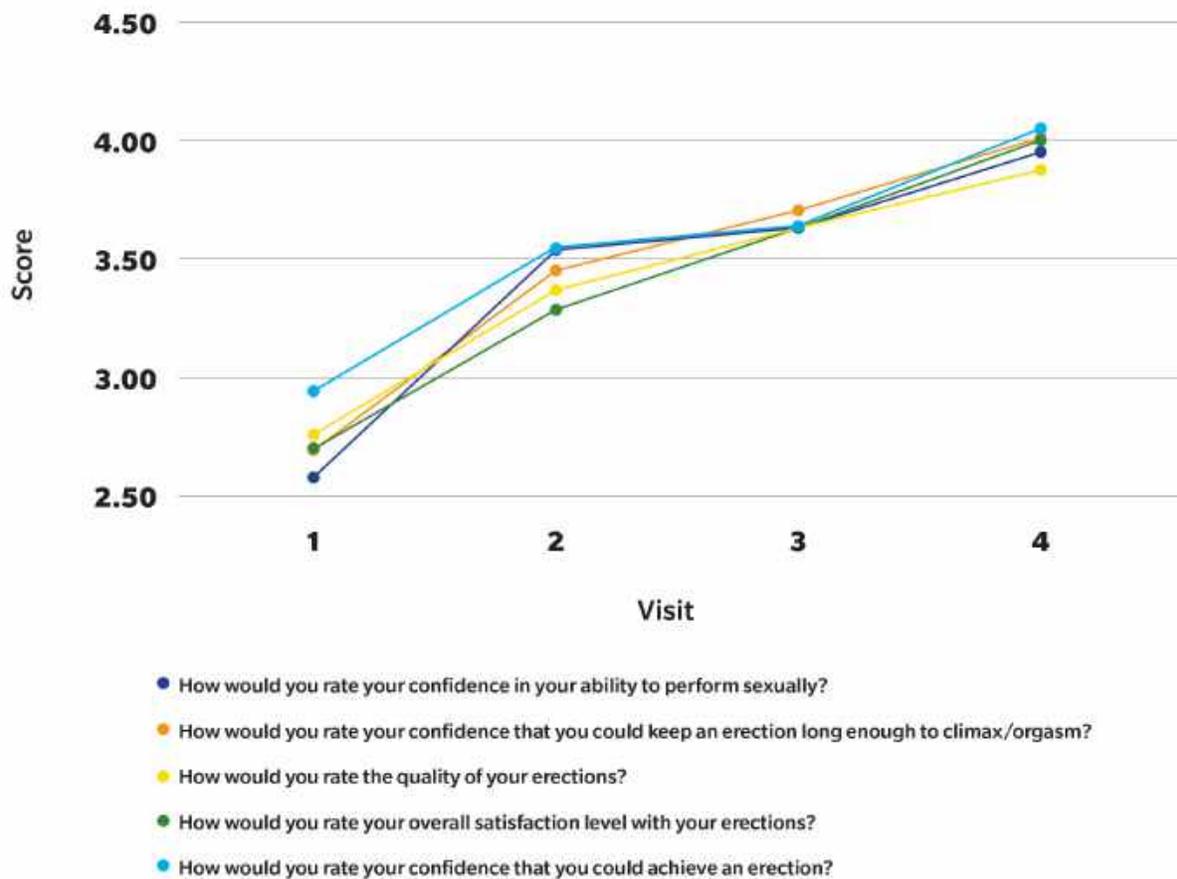
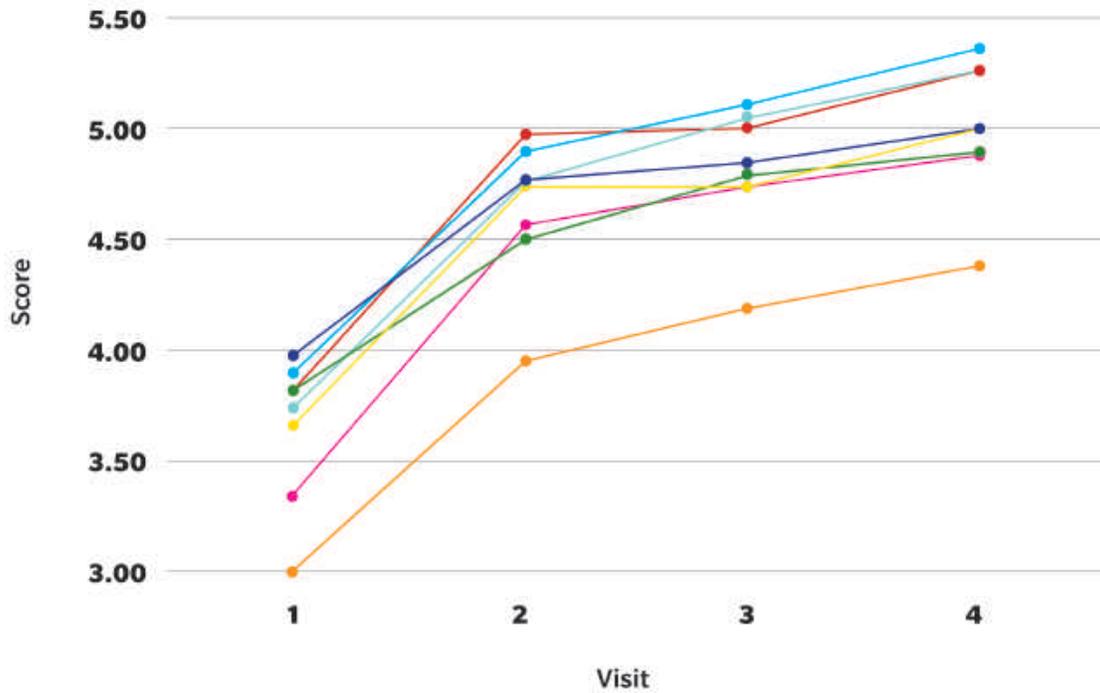


Figure 4: Overall improvement in questions related to general performance and erection quality

## Overall Improvement in Questions Related to Intercourse



- When you attempted sexual intercourse, how often were you satisfied with your erection?
- When you were able to achieve an erection for sexual intercourse, how long were you able to maintain your erection?
- When you were able to achieve an erection for sexual intercourse, how often were you able to maintain your erection to completion, i.e. to the point of ejaculation/climax/orgasm?
- During sexual intercourse, how often were you able to maintain your erection after you had penetrated (entered) your partner?
- When you attempted sexual intercourse, how often were you able to penetrate (enter) your partner?
- How would you rate your enjoyment during sexual intercourse?
- When you attempted sexual intercourse, how often were you able to achieve an erection?
- How often have you felt capable of having sexual intercourse?

Figure 5: Overall improvement in questions related to intercourse

### Average Percent Improvement Among Participants Who Recorded Having ED

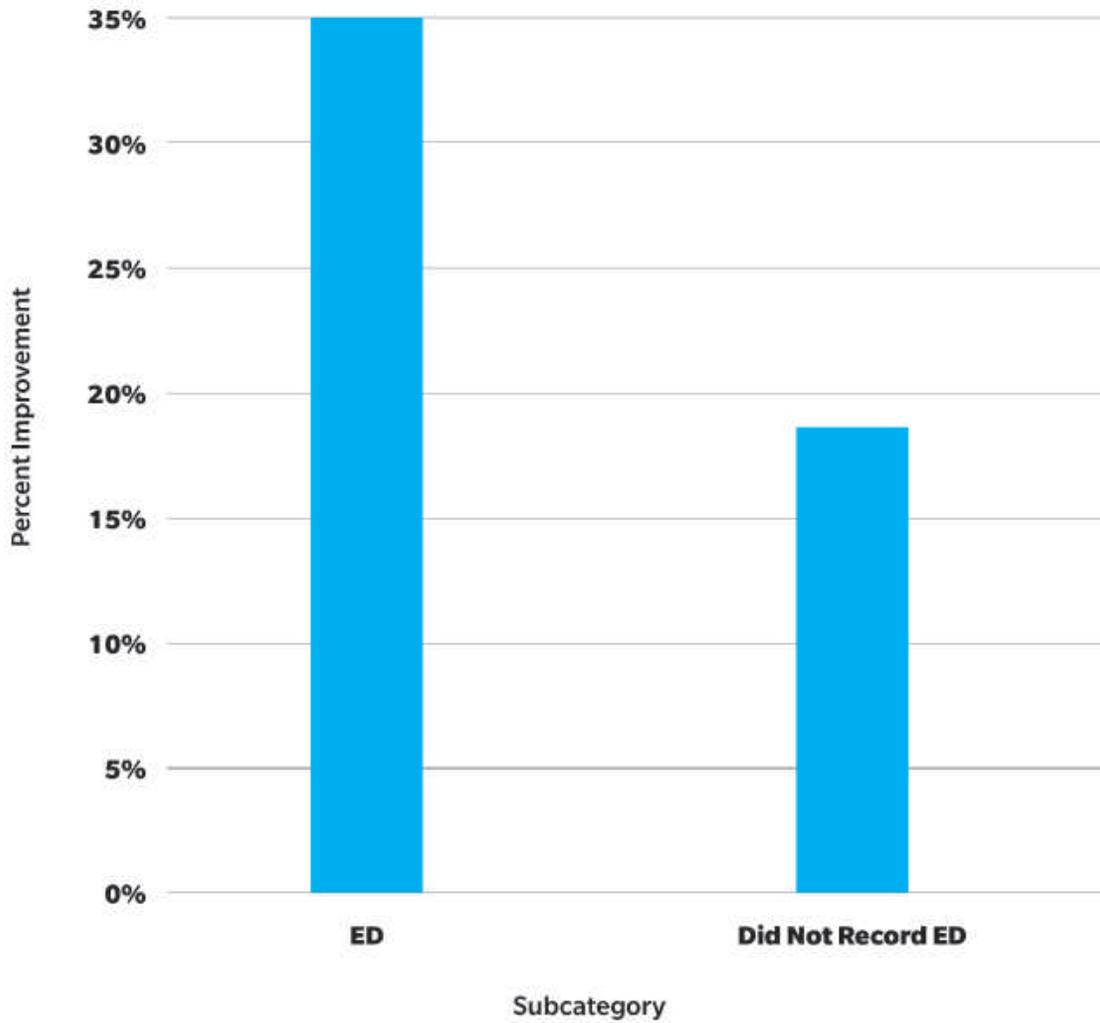


Figure 6: Average percent improvement among participants who recorded having ED

### Average Percent Improvement Among Participants Who Have Tried Other ED Solutions

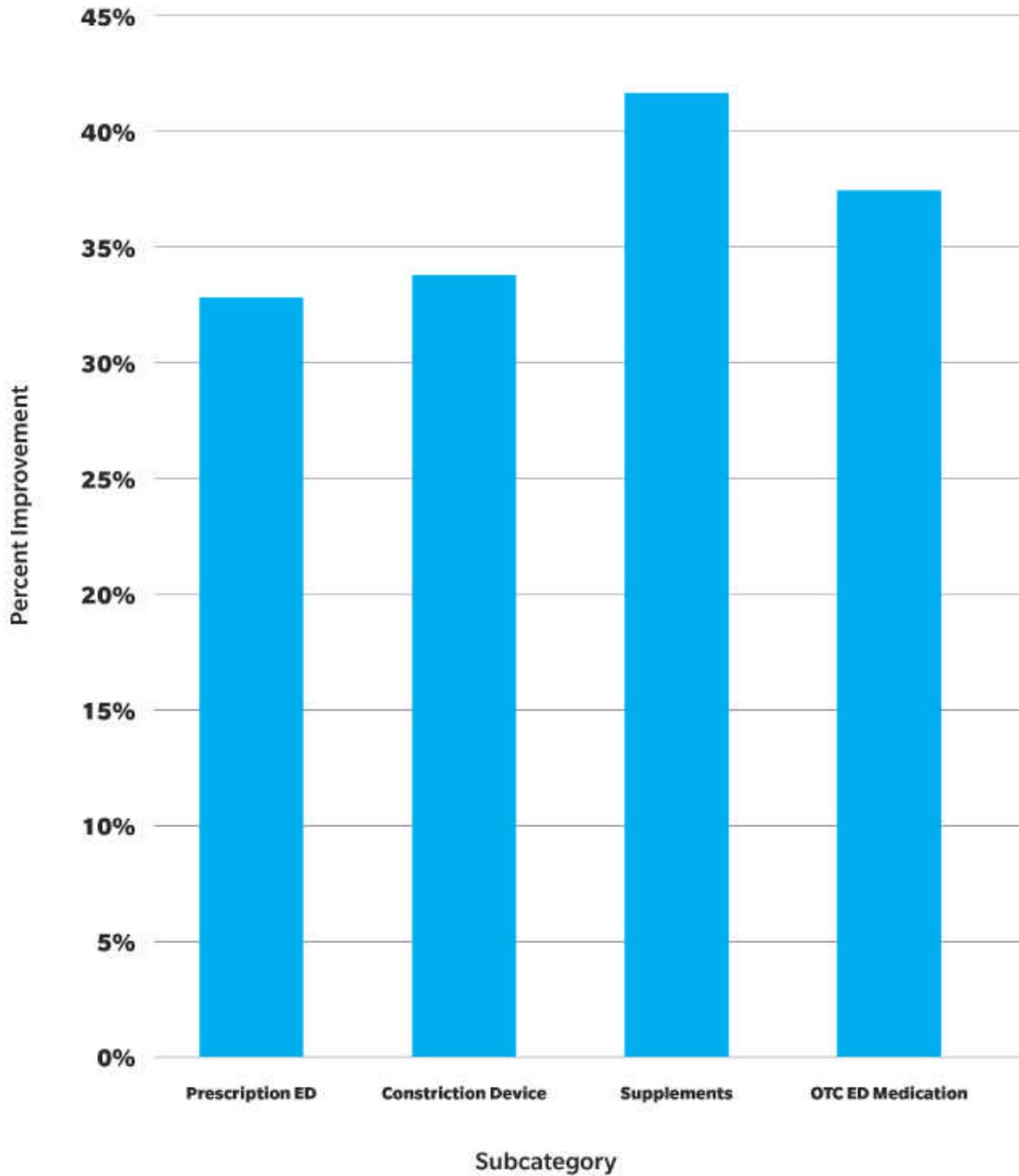


Figure 7: Average percent improvement among participants who have tried other ED solutions

### Average Percent Improvement Among Mental Health Subcategories

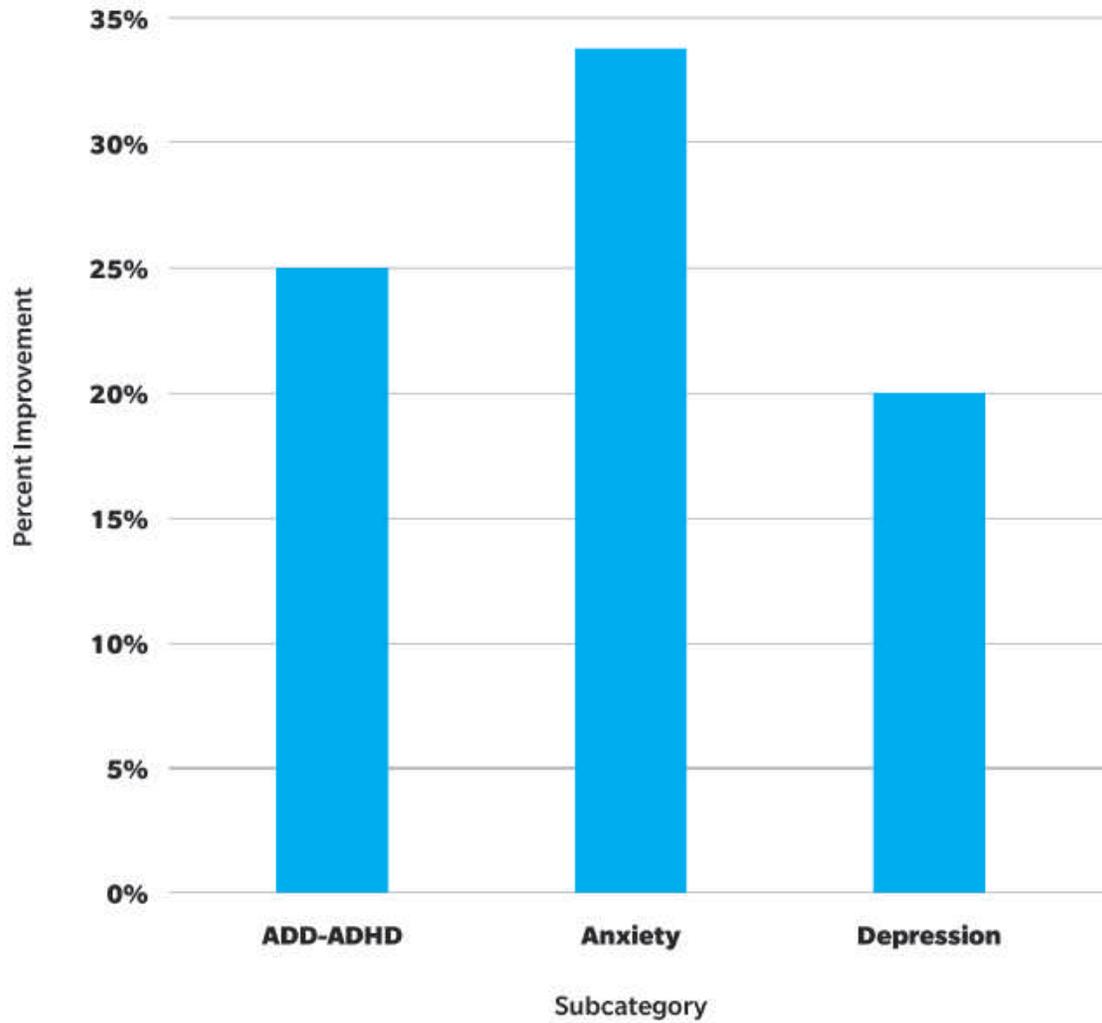


Figure 8: Average percent improvement among mental health subcategories

### Average Percent Improvement Among Medical Subcategories

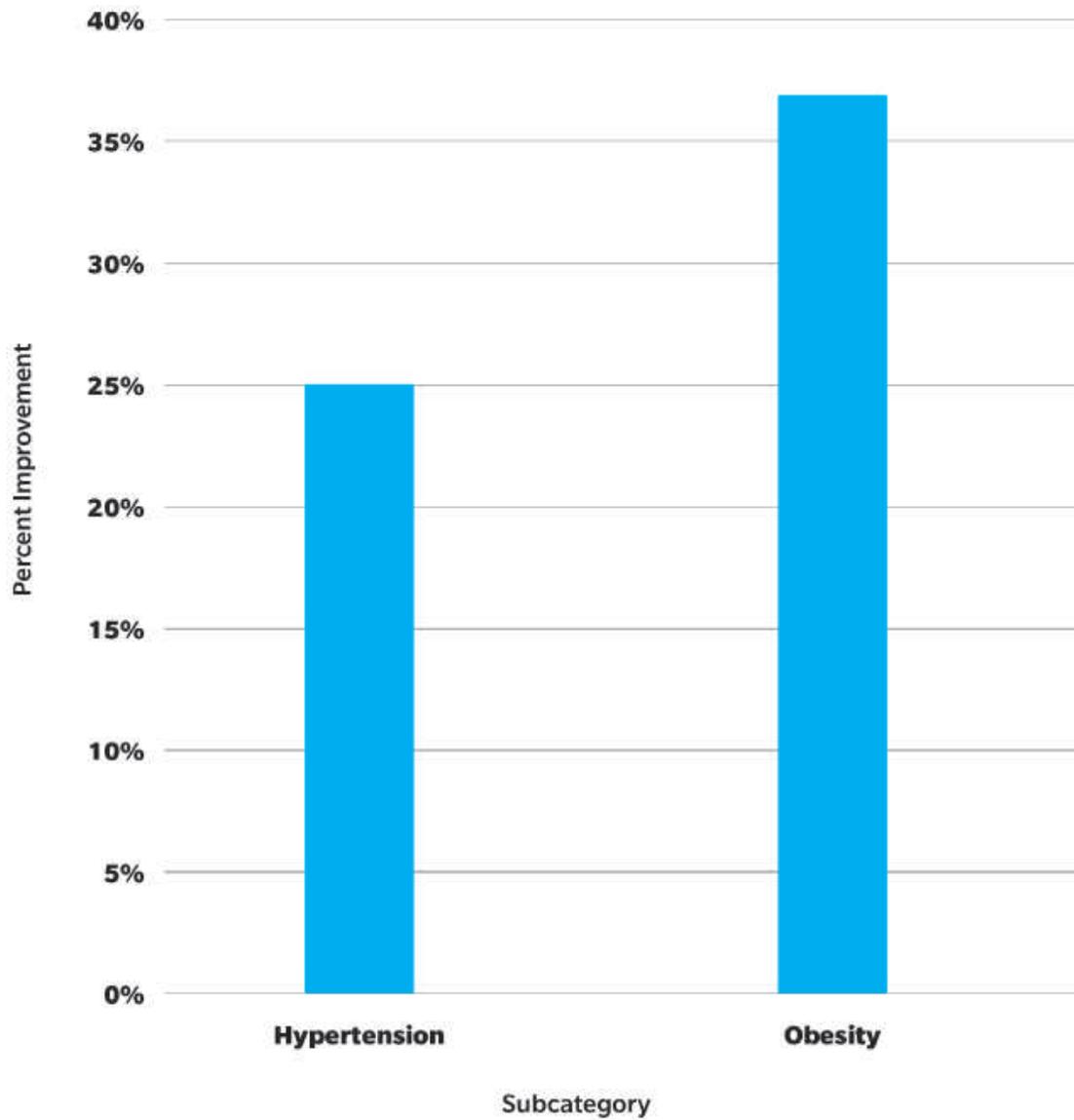


Figure 9: Average percent improvement among medical subcategories

## Average Percent Improvement Among Medication Subcategories

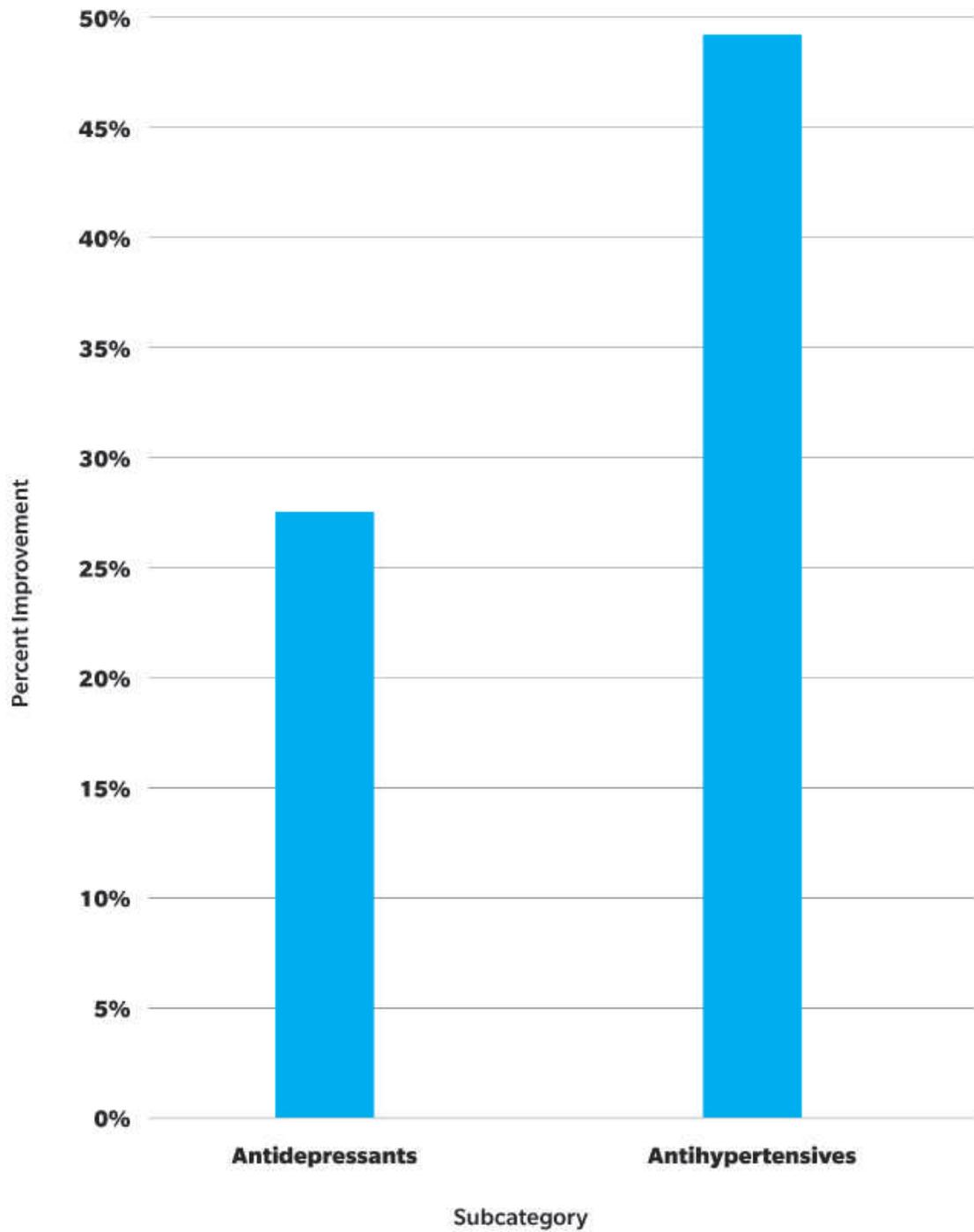


Figure 10: Average percent improvement among medication subcategories

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