

## Supplementary Materials

### Exploring the role of ChatGPT in decision making for gender-affirming surgery

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Start of Block: Information about Study

Q85 This research project aims to explore and understand how individuals use resources to collect information about medical procedures. Please note that participation in this study is completely voluntary. All of your personal information will be kept private and anonymous to the research team. Please do not include your name or other information that could be used to identify you in the survey responses. If you choose to participate, the survey will take about 5 minutes to complete, and you will be compensated \$1.10 for completing it. This survey asks some basic demographic questions and questions about your use of various information platforms. There is minimal risk to you by being involved in this anonymous survey.

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Q102 Do you agree to participate?

- Yes (4)
- No (5)

End of Block: Information about Study

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Start of Block: Pre-Screener Verification



Q91 What is your Prolific ID number? Please note that this response should auto-fill with the correct ID

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Q33 What is your age?

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Q35 What is your self-identified racial/ethnic identity?

- American Indian or Alaskan Native (1)
  - Asian/Pacific Islander (4)
  - Black or African American (2)
  - Hispanic (9)
  - White/Caucasian (5)
  - Multiple ethnicity or other (6)
- 

Display This Question:

If What is your self-identified racial/ethnic identity? = Multiple ethnicity or other



Q46 Please specify multiple ethnicity or other:

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Q103 Does your current gender differ from the one you were assigned at birth?

- Yes (1)
  - No (2)
-

Q34 What is your gender identity?

- Cisgender woman (1)
- Cisgender man (2)
- Non-binary (4)
- Transgender woman (9)
- Transgender man (10)
- Agender (11)
- Genderqueer (7)
- Genderfluid (12)
- Other (8)

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Display This Question:

If What is your gender identity? = Other



Q40 Please specify other gender identity:

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End of Block: Pre-Screener Verification

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Start of Block: Demographics

Q98 Which region of the United States do you currently live in?

- Northeast (1)
- Midwest (4)
- South (5)
- West (6)

Q43 What is the highest level of education that you completed?

- None (1)
  - Elementary school (2)
  - Some high school (3)
  - High school/GED (4)
  - Some college (5)
  - Bachelor's degree (6)
  - Graduate level degree (7)
- 

Q48 What is your employment status?

- Unemployed (1)
  - Full-time employment (2)
  - Part-time employment (3)
  - Student (4)
  - Disability (5)
  - Other (6)
- 

Display This Question:

If What is your employment status? = Other



Q82 Please specify other employment status:

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Q94 The next question is straightforward, when asked your favorite job you must select "engineer." This is an attention check. Based on this text that you just read, what is your favorite job?

- Businessperson (1)
  - Scientist (2)
  - Engineer (3)
  - Lawyer (4)
  - Doctor (5)
  - Student (6)
  - Government employee (7)
  - Other (8)
- 

Q49 What is your sexual orientation?

- Asexual (1)
  - Bisexual (2)
  - Gay (3)
  - Lesbian (4)
  - Pansexual (5)
  - Queer (6)
  - Straight (heterosexual) (7)
  - Other (8)
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Display This Question:

If What is your sexual orientation? = Other



Q83 Please specify other sexual orientation:

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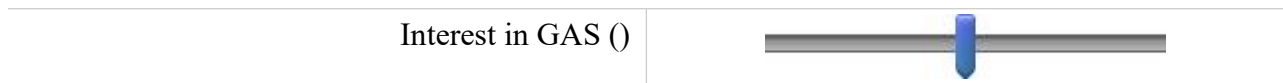
End of Block: Demographics

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Start of Block: General GAS

Q50 How interested are you in gender-affirming surgery (GAS)? By GAS, we are referring to the following procedures to treat gender dysphoria in transgender patients: mastectomy, breast augmentation, facial feminization, facial masculinization, vaginoplasty, phalloplasty, and/or metoidioplasty. Please answer on a scale of 0 (not interested) to 10 (very interested).

0 1 2 3 4 5 6 7 8 9 10



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Q51 Which of the following are your primary sources of information about GAS? (Select all that apply)

- Medical websites (e.g., WebMD, Mayo Clinic) (1)
- Scientific journals or articles (2)
- Online forums or communities (e.g., Reddit, Tumblr) (3)
- Social media platforms (e.g., YouTube, Instagram, Tik Tok, Facebook) (4)
- Healthcare professionals (e.g., Surgeons, Therapists) (5)
- Books or printed brochures (6)
- Personal stories or testimonials (7)
- Support or advocacy groups (8)
- Other information source (specify below) (9)

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Carry Forward Selected Choices from "Which of the following are your primary sources of information about GAS? (Select all that apply)"



Q52 Which of the sources that you selected is your primary information source about GAS?

- Medical websites (e.g., WebMD, Mayo Clinic) (1)
  - Scientific journals or articles (2)
  - Online forums or communities (e.g., Reddit, Tumblr) (3)
  - Social media platforms (e.g., YouTube, Instagram, Tik Tok, Facebook) (4)
  - Healthcare professionals (e.g., Surgeons, Therapists) (5)
  - Books or printed brochures (6)
  - Personal stories or testimonials (7)
  - Support or advocacy groups (8)
  - Other information source (specify below) (9)
- 

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Q96 The following question is simple, when asked your favorite social media platform you must select "Instagram." This is an attention check. Based on this text that you just read, what is your favorite social media platform?

- Reddit (9)
- Tumblr (10)
- Facebook (11)
- Snapchat (12)
- Instagram (13)
- Threads (14)
- Youtube (15)

End of Block: General GAS



Q55 Have you ever used the artificial intelligence (AI) platform ChatGPT? ChatGPT is an artificial intelligence chatbot that uses natural language processing to create humanlike conversational dialogues.

- Yes (8)
- No (9)

Q88 Please indicate your agreement with the following statement:

	Strongly disagree (1)	Disagree (2)	Agree (3)	Strongly agree (4)
ChatGPT is an artificial intelligence program. (28)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I fly to Antarctica every day to collect ice to make snow cones. (29)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Have you ever used the artificial intelligence (AI) platform ChatGPT? ChatGPT is an artificial in... = Yes

Q93 During which date range did you first start using ChatGPT?

- November 30, 2022 – February 28, 2023 (8)
- March 1, 2023 – May 31, 2023 (9)
- June 1, 2023 – August 31, 2023 (10)
- September 1, 2023 – Present (11)

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Display This Question:

If Have you ever used the artificial intelligence (AI) platform ChatGPT? ChatGPT is an artificial in... = Yes

Q56 Have you ever used ChatGPT to gather information about GAS?

- Yes (1)
- No (2)

End of Block: General ChatGPT-3 (1)

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Start of Block: Attention Failed

Q101 Thank you for completing the survey. Here is your ID: C155304X Copy this value to paste into Prolific. When you have copied this ID, please click the next button to submit your survey.

End of Block: Attention Failed

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Start of Block: End 1

Display This Question:

If Have you ever used ChatGPT to gather information about GAS? = No

Or Have you ever used the artificial intelligence (AI) platform ChatGPT? ChatGPT is an artificial in... = No

Q54 Would you ever use an AI language program like ChatGPT to get information about GAS?

- Yes (1)
- No (2)
- Unsure (3)

End of Block: End 1

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Start of Block: Prolific Code

Q73 Thank you for completing the survey. Here is your ID: C1EMQPY9 Copy this value to paste into Prolific. When you have copied this ID, please click the next button to submit your survey.

End of Block: Prolific Code

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Start of Block: GAS ChatGPT-3

Q57 How often in the past year did you use ChatGPT to search for information on GAS?

- A few times a year (1)
  - Once a month (2)
  - Once a week (3)
  - Multiple times a week (4)
  - Every day (5)
- 

Q78 Which gender-affirming procedures have you researched using ChatGPT?

- Mastectomy (1)
  - Breast augmentation (2)
  - Facial feminization (3)
  - Facial masculinization (4)
  - Vaginoplasty (5)
  - Phalloplasty (6)
  - Metoidioplasty (7)
  - Other (8)
-

Display This Question:

If Which gender-affirming procedures have you researched using ChatGPT? = Other



Q79 Please specify other gender-affirming procedure(s) you've searched information about using ChatGPT-3:

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Q58 What specific topics/information about GAS were you looking for on ChatGPT? Select all that apply.

- Surgical preparation (1)
- Types of surgeries (2)
- Surgical techniques (3)
- Surgeon information (4)
- Recovery information (5)
- Risks and complications (6)
- Financial considerations (7)
- Support groups and community resources (8)
- Other information (speciify below) (10)

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Carry Forward Selected Choices from "What specific topics/information about GAS were you looking for on ChatGPT? Select all that apply."



Q65 Which of the GAS topics/information that you selected did you feel wasn't adequately covered by ChatGPT-3's responses? Select all that apply.

- All topics/information were covered adequately (1)
  - Surgical preparation (2)
  - Types of surgeries (3)
  - Surgical techniques (4)
  - Surgeon information (5)
  - Recovery information (6)
  - Risks and complications (7)
  - Financial considerations (8)
  - Support groups and community resources (9)
  - Other information (speciify below) (10)
- 

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Q59 How useful has the information provided by ChatGPT about GAS been for you?

- Extremely useful (1)
  - Very useful (4)
  - Moderately useful (5)
  - Slightly useful (6)
  - Not at all useful (7)
-

Q100 How much has ChatGPT improved your understanding of GAS procedures?

- Significantly (4)
  - A lot (8)
  - Moderately (5)
  - A little (6)
  - Not at all (7)
- 

Q61 How satisfied are you with the information provided by ChatGPT on GAS?

- Extremely satisfied (1)
  - Very satisfied (4)
  - Moderately satisfied (5)
  - Slightly satisfied (6)
  - Not at all satisfied (7)
- 

Q63 Do you feel more informed about GAS after using ChatGPT?

- Yes (1)
  - Somewhat (4)
  - No (2)
-

Q95 How much do you agree with the following statement about ChatGPT? Statement: I created ChatGPT-3.

- Strongly agree (1)
  - Agree (5)
  - Disagree (6)
  - Strongly disagree (7)
- 

Q60 How has ChatGPT influenced your decision-making process regarding GAS?

- Positive influence (1)
  - Neutral influence (2)
  - Negative influence (3)
- 

Q62 How influential has ChatGPT's information on GAS been on your decision to pursue surgery?

- Extremely influential (1)
  - Very influential (4)
  - Somewhat influential (5)
  - Slightly influential (6)
  - Not at all influential (7)
-

Q64 How often did you find it necessary to cross-reference information between sources to ensure accuracy of ChatGPT's information on GAS?

- Frequently (1)
  - Occasionally (2)
  - Rarely (3)
  - Never (4)
- 

Q90 How much has this ChatGPT survey influenced your attention? This is an attention check. Please select 'slightly influential' to show that you're paying attention.

- Extremely influential (1)
  - Very influential (4)
  - Somewhat influential (5)
  - Slightly influential (6)
  - Not at all influential (7)
- 

Q77 How much do you trust the information provided on ChatGPT about GAS?

- Do not trust at all (1)
  - Barely trust (4)
  - Moderately trust (5)
  - Mostly trust (6)
  - Completely trust (7)
-



Q67 How do you think ChatGPT's information about GAS compares to the following sources that provide information about GAS? Please select not applicable if you do not access information about GAS from a particular source.

	Much better (1)	Somewhat better (2)	About the same (3)	Somewhat worse (4)	Much worse (5)	Not applicable (7)
Healthcare providers (e.g., Surgeons, Therapists) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medical websites (e.g., WebMD, Mayo Clinic) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific journals or articles (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Books or printed brochures (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social media platforms (e.g., Youtube, Instagram, Tik Tok, Facebook) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Online forums or communities (e.g., Reddit, Tumblr) (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Support or advocacy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

groups (4)						
Personal stories or testimonials (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other information source (please specify) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Q72 Would you recommend ChatGPT to other patients who are considering GAS?

- Yes (1)
- No (2)
- Unsure (3)



Q99 Please share any additional thoughts/experiences you have regarding the use of ChatGPT for information on GAS:

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End of Block: GAS ChatGPT-3

