



SURVEY QUESTIONS

Where Teens Find Belonging: Connection and Support in Online and Offline Spaces

Survey Questions

- 1. Are you between the ages of 13-17?
 - a. Yes
 - b. No

[No = DISQUALIFY]
- 2. How old are you? *(Please only use numbers)*
[Number selection]

[Any number that's not 13-17 = DISQUALIFY]

- 3. Which country do you currently live in?

[If outside US = DISQUALIFY]

- 4. What state do you live in?

Alabama	Hawaii	Massachusetts	New Mexico	South Dakota
Alaska	Idaho	Michigan	New York	Tennessee
Arizona	Illinois	Minnesota	North Carolina	Texas
Arkansas	Indiana	Mississippi	North Dakota	Utah
California	Iowa	Missouri	Ohio	Vermont
Colorado	Kansas	Montana	Oklahoma	Virginia
Connecticut	Kentucky	Nebraska	Oregon	Washington
Delaware	Louisiana	Nevada	Pennsylvania	West Virginia
Florida	Maine	New Hampshire	Rhode Island	Wisconsin
Georgia	Maryland	New Jersey	South Carolina	Wyoming

- 5. What is your race/ethnicity? *(Check all that apply)*
 - a. American Indian or Alaskan Native
 - b. Asian
 - c. Black or African American
 - d. Hispanic or Latino
 - e. Native Hawaiian or Other Pacific Islander
 - f. Middle Eastern or North African
 - g. White
 - h. Other (please specify)
 - i. Prefer not to answer

6. What is your gender identity?
- a. Female
 - b. Male
 - c. Nonbinary
 - d. Other (please specify)
 - e. Prefer not to answer
7. Do you identify as transgender, or identify with a different gender than the one you were assigned at birth?
- a. Yes
 - b. No
 - c. Prefer not to answer
8. Which of the following best describes you?
- a. Heterosexual (straight)
 - b. Gay or lesbian
 - c. Bisexual
 - d. Pansexual
 - e. I describe my sexual identity some other way
 - f. I am not sure about my sexual identity (questioning)
 - g. I do not know what this question is asking
 - h. Prefer not to answer
9. Do you have a romantic partner?
- a. Yes
 - b. No
 - c. Prefer not to answer
10. Have you been diagnosed by a doctor with any of the following? (*Select all that apply*)
- a. Depression
 - b. Anxiety
 - c. Autism Spectrum Disorder (ASD)
 - d. Attention Deficit Disorder (ADHD)
 - e. Learning disorder
 - f. Eating disorder
 - g. A chronic health condition
 - h. A physical disability
 - i. Other mental or behavioral disorder not listed
 - j. None of the above
 - k. Prefer not to answer
11. What kind of school do you attend?
- a. Public School (Including charter schools)
 - b. Private School (Religious or Secular)
 - c. Homeschool
 - d. Prefer not to answer

12. What is the highest degree of education **one of your parents** has obtained?
- a. No degree
 - b. High school degree or GED
 - c. Associate's degree (e.g., community college, trade school, etc.)
 - d. Bachelor's degree (4-year college or university)
 - e. Master's degree
 - f. PhD/MD/JD or other advanced degree
 - g. I'm not sure
 - h. Prefer not to answer
13. What best describes your parents' current relationship?
- a. Married and living together
 - b. Separated
 - c. Never married
 - d. Divorced - not remarried
 - e. Divorced - one or both are remarried
 - f. One or both have passed away
 - g. Other (please describe):
- [If B, C, D, E, G]
- Do you travel between multiple households?
- h. Yes
 - i. No
14. Who do you live with most of the time? If you travel between households, think about the place where you feel most at home. (Select all that apply.)
- a. Mother
 - b. Father
 - c. Stepmother
 - d. Stepfather
 - e. Grandmother
 - f. Grandfather
 - g. Legal guardian
 - h. Foster parent(s)
 - i. Aunt/Uncle
 - j. Sibling(s)
 - k. Someone else (please describe):
15. How many younger siblings do you have?
- [Number selection]
16. How many older siblings do you have?
- [Number selection]

[HBSC Family Affluence Scale: Questions 17-22]

HBSC Family Affluence Scale Coding Guidance (V1): HBSC Methods Note 1, Torbjørn Torsheim, HBSC data Management Centre, University of Bergen, Bergen

17. Does your family own a car, van, or truck?
 - a. No
 - b. Yes, one
 - c. Yes, two or more
18. Do you have your own bedroom for yourself?
 - a. No
 - b. Yes
19. How many computers do your family own (including laptops and tablets, not including game consoles and smartphones)?
 - a. None
 - b. One
 - c. Two
 - d. More than two
20. How many bathrooms (room with a bath/shower or both) are in your home?
 - a. None
 - b. One
 - c. Two
 - d. More than two
21. Does your family own a dishwasher at home?
 - a. No
 - b. Yes
22. How many times did you and your family travel out of the United States for a holiday or vacation last year?
 - a. Not at all
 - b. Once
 - c. Twice
 - d. More than twice

Next, we would like to learn more about how you feel about yourself, and your mental health.

[Youth Quality of Life Scale – using select items: Question 23]

Patrick, D. L., Edwards, T. C., & Topolski, T. D. (2002). Adolescent quality of life, Part II: Initial validation of a new instrument. *Journal of Adolescence*, 25(3), 287–300. <https://doi.org/10.1006/jado.2002.0471>

23. Following are some statements that you might make about yourself. Where 0 means “Not At All” and 10 means “Very Much,” please select the one number that best describes how closely the statement applies to you in general.

	0 (Not At All)	1	2	3	4	5	6	7	8	9	10 (Very Much)
I feel good about myself.											
I feel I am important to others.											
I feel I am understood by my parents or caregivers.											
I feel like I can take part in the same activities as others my age.											
People my age treat me with respect.											
I look forward to the future.											
I feel safe when I am at home.											
I feel I am getting a good education.											
I am satisfied with the way my life is now.											

[Item pulled from Mental Health Continuum-Short Form: Question 24]

Yeo, Z. Z., & Suárez, L. (2022). Validation of the mental health continuum-short form: The bifactor model of emotional, social, and psychological well-being. PloS one, 17(5), e0268232. <https://doi.org/10.1371/journal.pone.0268232>

24. In the past month, how often did you feel that you belonged to a community (like a social group, your neighborhood, your city)?

- Never
- Once or twice
- About once a week
- Almost every day
- Every day

[Social Anxiety items, taken from DWL’s social gaming pulse survey]

Yue, Z., Bickham, D.S., Schwamm, S., Powell, N., & Rich, M. (2024). Digital Gaming and Social Interaction. Boston, MA: Boston Children’s Hospital Digital Wellness Lab. <https://digitalwellnesslab.org/pulse-surveys/digital-gaming-and-social-interaction/>

25. The following question asks about thoughts, feelings, and behaviors that you may have had about social situations. Usual social situations include public speaking, speaking in meetings, attending social events or parties, introducing yourself to others, having conversations, giving and receiving compliments, making requests of others, and eating and writing in public.

In the past month, how often have you...

	Never	Rarely	Sometimes	Often	Almost Always
Felt anxious, worried, or nervous about social situations?					
Had thoughts of being rejected, humiliated, embarrassed, ridiculed, or offending others?					
Avoided, or did not approach or enter, social situations?					

[Single Item Need to Belong Scale: Question 26]

Nichols, A. L., & Webster, G. D. (2013). The single-item need to belong scale. *Personality and Individual Differences*, 55(2), 189–192. <https://doi.org/10.1016/j.paid.2013.02.018>

For the next part of this survey, we would like to learn more about how you feel you fit into the world around you, or, your sense of belonging.

26. To what extent do you agree or disagree with the following statement:

I have a strong “need to belong.”

- a. Strongly Disagree
- b. Moderately Disagree
- c. Neither Agree nor Disagree
- d. Moderately Agree
- e. Strongly Agree

[General Belongingness Scale: Question 27]

Malone, G. P., Pillow, D. R., & Osman, A. (2012). The General Belongingness Scale (GBS): Assessing achieved belongingness. *Personality and Individual Differences*, 52(3), 311–316. <https://doi.org/10.1016/j.paid.2011.10.027>

Next, we would like to know how you feel about your connections with others in general.

Where 1 means “Strongly Disagree” and 7 means “Strongly Agree,” please select the one number that best describes how you feel about each statement.

27. Where 1 means “Strongly Disagree” and 7 means “Strongly Agree,” please select the one number that best describes how you feel about each statement.

	1 (Strongly Disagree)	2	3	4	5	6	7 (Strongly Agree)
When I am with other people, I feel included.							
I have close bonds with family and friends.							
I feel accepted by others.							
I have a sense of belonging.							
I have a place at the table with others.							
I feel connected to others.							
I feel like an outsider.							
I feel as if people do not care about me.							
I feel isolated from the rest of the world.							
When I am with other people, I feel like a stranger.							
Friends and family do not involve me in their plans.							

[3-item Loneliness Scale: Question 25]

Hughes, M. E., Waite, L. J., Hawkey, L. C., & Cacioppo, J. T. (2004). A Short Scale for Measuring Loneliness in Large Surveys: Results From Two Population-Based Studies. *Research on aging*, 26(6), 655–672. <https://doi.org/10.1177/0164027504268574>

The next questions are about how you feel about different aspects of your life. For each one, please indicate how often you feel that way.

28. How often do you feel that you lack companionship?

- a. Hardly ever
- b. Some of the time
- c. Often

29. How often do you feel left out?

- a. Hardly ever
- b. Some of the time
- c. Often

30. How often do you feel isolated from others?

- a. Hardly ever
- b. Some of the time
- c. Often

[Items inspired by survey questions in the American Friendship Project: Questions 31-34]

Pennington, N., Hall, J. A., & Holmstrom, A. J. (2024). The American Friendship Project: A report on the status and health of friendship in America. *PLOS ONE*, 19(7), e0305834. <https://doi.org/10.1371/journal.pone.0305834>

Friends can be an important source of feeling connected, included, and supported. Now, we'd like to ask you a few questions about your friendships.

31. How many close friends would you say you have?

[Numerical field]

32. Do you have a best friend?

- a. Yes
- b. No

33. Do you have close friends who you know from online spaces but have never met in-person?

- a. Yes
- b. No

34. To what extent do you agree or disagree with the following statement:

I am satisfied with the number of friends I have.

- a. Strongly Disagree
- b. Moderately Disagree
- c. Neither Agree nor Disagree
- d. Moderately Agree
- e. Strongly Agree

[Friend Connectedness, subscale measured with the Hemingway Measure of Adolescent Connectedness: Questions 35-40]

Karcher, M. J. (2001). The Hemingway: Measure of Adolescent Connectedness-- Validation Studies.
<https://eric.ed.gov/?id=ED477969>

How true about you is each sentence below?

35. Spending time with my friends is the best part of my day.

- a. Not at all
- b. Not really
- c. Sort of true
- d. True
- e. Very true

36. I have friends I am close to and trust completely.

- a. Not at all
- b. Not really
- c. Sort of true
- d. True
- e. Very true

37. Spending time with my friends is a big part of my life.

- a. Not at all
- b. Not really
- c. Sort of true
- d. True
- e. Very true

38. My friends and I talk about things that are important to us.

- a. Not at all
- b. Not really
- c. Sort of true
- d. True
- e. Very true

39. I spend as much time as I can with my friends.
- Not at all
 - Not really
 - Sort of true
 - True
 - Very true
40. My friends and I spend a lot of time talking about things.
- Not at all
 - Not really
 - Sort of true
 - True
 - Very true

[Family subdimension of the Winchester Adolescent Wellbeing Scale: Question 41]

Gennings, E., Batten, J., & Brown, H. (2024). Development and validation of the Winchester Adolescent Wellbeing Scale: a holistic measure of children's wellbeing. *International Journal of Adolescence and Youth*, 29(1).
<https://doi.org/10.1080/02673843.2024.2331569>

Next, we would like to ask you how you feel about your family.

41. How much have you experienced each of the following statements?

Over the last month, I...

	Never	Rarely	Sometimes	Often	Always
Felt encouraged by my family					
Felt like my family were there for me when I needed them					
Felt like my family listened to me					
Felt safe at home					
Remember when my family supported me					
Felt supported by my family					
Felt comfortable at home					

[The School Belongingness Scale: Questions 42-43, 45-47]

Arslan, G., & Duru, E. (2017). Initial Development and Validation of the School Belongingness Scale. *Child Indicators Research*, 10(4), 1043-1058. <https://doi.org/10.1007/s12187-016-9414-y>

Next, please think about your school experience, and choose the response option that best fits how you feel about each statement.

42. I can really be myself in this school.

- a. Almost Never
- b. Sometimes
- c. Often
- d. Almost Always

43. I have close/sincere relationships with my teachers and friends at school.

- a. Almost Never
- b. Sometimes
- c. Often
- d. Almost Always

44. I can find an adult at my school with whom I feel comfortable talking to if I need something.

- a. Almost Never
- b. Sometimes
- c. Often
- d. Almost Always

45. I feel that I am accepted by other people at school.

- a. Almost Never
- b. Sometimes
- c. Often
- d. Almost Always

46. I see myself as a part of this school.

- a. Almost Never
- b. Sometimes
- c. Often
- d. Almost Always

47. I think people care about me in school.

- a. Almost Never
- b. Sometimes
- c. Often
- d. Almost Always

For the final question in this section, we would like to learn about the way you feel about being a part of different groups. Please consider how your relationship with each group relates to the following statements.

48. I feel connected to other people who are a part of...

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	N/A
My Extracurricular Activity or Activities (i.e., sports teams, music groups, interest clubs, or other type of team)						
My Family's Nationality/Nationalities						
My Gender Identity Group						
My Sexual Identity Group						
My Race/Ethnicity						
My Religion/Spirituality						
My Neighborhood						

Next, we would like to ask you about the friendships you have with people you met online. The following questions are about online friendships that are developed through various electronic sources, such as gaming, social media, and messaging apps. Please identify how much you agree or disagree with the following statements.

[Online Friendship Support Scale: Question 49 - 53]

Rose, C. A., Brass, N., Payton, J., Bergin, C., & Prewett, S. (2025). Online Friendship Scale [Measurement instrument]. University of Missouri.

49. I have developed meaningful friendships online.

- a. Strongly Disagree
- b. Disagree
- c. Agree
- d. Strongly Agree

50. My friends online are just as important to me as the friends that I know in person.

- a. Strongly Disagree
- b. Disagree
- c. Agree
- d. Strongly Agree

51. I have friends online that I can talk to, who care about my feelings and what happens to me.
- Strongly Disagree
 - Disagree
 - Agree
 - Strongly Agree
52. I have friends online that I can talk to, who give good suggestions and advice about my problems.
- Strongly Disagree
 - Disagree
 - Agree
 - Strongly Agree
53. I have friends online who help me with practical problems, like how to get somewhere or help me with a project.
- Strongly Disagree
 - Disagree
 - Agree
 - Strongly Agree
54. How much do you agree or disagree with the following statements about Generative AI Assistants?
(Note: by “assistants”, we are referring to chatbot/conversational agents like ChatGPT)

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
Generative AI assistants can act as a friend.					
Generative AI assistants can make me less lonely.					
Generative AI assistants can be a substitute for spending time with other people.					

In this next section, we would like to ask you a series of questions about **how you use YouTube**.

55. About how often do you watch videos on YouTube?

- a. Never
- b. Less than once a month
- c. About once a month
- d. A few times a month
- e. About once a week
- f. A few times a week
- g. About once a day
- h. A few times a day
- i. Almost constantly

[If NEVER]

In the past year, did you ever use YouTube?

- 1. Yes
- 2. No

[If NO, skip to Video Games block]

56. When you go to YouTube, how often do you:

	Never	Rarely	Sometimes	Often	Always
Have a clear idea of what you want to watch?					
Watch videos just for fun, without another specific goal?					

57. When you go to YouTube, how often do you:

	Never	Rarely	Sometimes	Often	Always
Search for information about school subjects or homework?					
Search for information to learn about something not related to school (e.g., to answer a question you have, to learn more about a hobby)?					
Browse suggested or featured videos?					
Watch videos created for a specific interest group (e.g., fandoms, hobbies, gaming, sports, etc.)?					
Watch videos related to your identity (e.g., gender identity, ethnicity, religion, culture)?					

58. When you use YouTube, how often do you...

	Never	Rarely	Sometimes	Often	Always
Use the like or dislike (thumb up/thumb down) feature for a <u>video</u> ?					
Save a video?					
Read the comments?					
Use the like or dislike feature for a <u>comment</u> ?					
Post a comment to a video, or reply to someone else's comment?					

59. How often do you post a video to YouTube (including both standard and a Short)?

- Never
- Less than once a month
- A few times a month
- About once a week
- A few times a week
- Every day

60. On YouTube, do you...

	Yes	No	I don't know what this means
Subscribe to specific influencers', creators', or artists' channels?			
Participate in paid channel memberships?			

[IF YES]

About how many channels, influencers, and/or creators do you subscribe to?

- 1-5
- 6-10
- 11-15
- 16-20
- 21-25
- 26-30
- More than 30

61. On average, how often do you **share** YouTube videos, Shorts, or playlists with each of the following groups?

	Never	Rarely	Sometimes	Often	Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don't know offline)					
People I don't know personally (e.g., strangers)					

62. When you share videos or playlists with others, how often do you share them in the following ways?

	Never	Rarely	Sometimes	Often	Always
I use the platform-hosted "share" feature.					
I send a text or other type of message with a link to the video.					
I show the person the video on my device and watch it with them.					

To what extent do you disagree or agree with the following statements?

63. I feel **connected to others** when I use YouTube.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

64. I feel **emotionally supported by others** when I use YouTube.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

65. I feel like I am **part of a community** when I use YouTube.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

Next, please think about how you spend your time **playing video games**.

66. About how often do you play video games?

- a. Never
- b. Less than once a month
- c. About once a month
- d. A few times a month
- e. About once a week
- f. A few times a week
- g. About once a day
- h. A few times a day
- i. Almost constantly

[If NEVER]

In the past year, did you ever play video games?

- 1. Yes
- 2. No

[If NO, skip to Forums block of questions]

67. When you play video games, how often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Play to connect with other people?					
Play just for fun, without another specific goal?					

68. When playing video games, how often do you engage in the following types of play?

	Never	Rarely	Sometimes	Often	Almost Always
Alone, not interacting with others (i.e., single-player)					
With/against people who I know (e.g., two-player or multiplayer games with friends)					
With/against people who I do not know (e.g., two-player or multiplayer games with strangers)					

69. When playing video games with others, how often do you...

	Never	Rarely	Sometimes	Often	Almost Always
Play with others in the same room/place?					
Play video games together, but each of you are in your own space?					

70. How often do you play video games, either in-person or online, with the following groups of people?

	Never	Rarely	Sometimes	Often	Almost Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don't know offline)					
People I don't know personally (e.g., strangers)					

71. When playing video games with others, how often do you **communicate with others** through...

	Never	Rarely	Sometimes	Often	Almost Always
Sending in-game chats, emojis, or other types of messages?					
A real-time, continuous voice or video chat?					

To what extent do you disagree or agree with the following statements?

72. I feel **connected to others** when I play video games.

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

73. I feel **emotionally supported by others** when I play video games.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

74. I feel like I am **part of a community** when I play video games.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

Next, please think about how you **visit online forums or discussion boards** such as Reddit or Discord to learn about a topic, connect with others, and/or contribute to discussions.

75. About how often do you visit online forums or discussion boards?

- a. Never
- b. Less than once a month
- c. About once a month
- d. A few times a month
- e. About once a week
- f. A few times a week
- g. About once a day
- h. A few times a day
- i. Almost constantly

[If NEVER]

In the past year, did you ever visit an online forum or discussion board?

- 1. Yes
- 2. No

[If NO, skip to next block of questions]

76. When you go to online forums, how often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Have a clear idea of what information, forums, or conversations you are looking for?					
Visit just for fun, without another specific goal?					

77. How often do you go to online forums to:

	Never	Rarely	Sometimes	Often	Almost Always
Search for information about school subjects or homework?					
Search for information not related to school (e.g., to answer a question you have, to learn more about a hobby)?					
Browse suggested or featured channels, forums, discussion threads?					
Look for content created for a specific interest group (e.g., fandoms, hobbies, gaming, sports, etc.)?					
Look for content related to your identity (e.g., your gender identity, ethnicity, religion, culture)?					

78. Next, think about how you interact with forums. How often do you...

	Never	Rarely	Sometimes	Often	Almost Always
Use features that allow you to like, upvote, or downvote others' comments?					
Use post "react" features?					
Add a comment to a post, or reply to someone else's comment?					
Start a new post or thread?					
Repost others' content?					

79. Have you joined communities or channels, such as subreddits?

- Yes
- No
- I don't know what this means

[IF YES]

About how many communities or channels are you a member of?

- i. 1-5
- ii. 6-10
- iii. 11-15
- iv. 16-20
- v. 21-25
- vi. 26-30
- vii. More than 30

80. What about starting your own conversations? Have you ever made your own community or channel?

- a. Yes
- b. No
- c. I don't know what this means

81. When you share content from forums or discussion boards (for example, threads, posts, articles) with other people, how often do you use the methods listed below?

	Never	Rarely	Sometimes	Often	Almost Always
I tag people in comments.					
I use in-app "share" features.					
I send a text or other type of message with a link to the content I want to share.					
I show the person the content on my device and look at it with them.					

82. On average, how often do you share content from forums or discussion boards with each of the following groups?

	Never	Rarely	Sometimes	Often	Almost Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don't know offline)					
People I don't know personally (e.g., strangers)					

83. How frequently do you...

	Never	Rarely	Sometimes	Often	Almost Always
Interact with friends from offline parts of your life (e.g., school, clubs, religious activities) on online forums or discussion boards?					
Meet in-person with someone who you first met through an online forum or discussion board?					

84. Have you ever met someone on an online forum or discussion board who you consider to be your friend?

- a. Yes
- b. No
- c. I have not met anyone through an online forum.

To what extent do you disagree or agree with the following statements?

85. I feel **connected to others** when I visit online forums or discussion boards.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

86. I feel **emotionally supported by others** when I visit online forums or discussion boards.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

87. I feel like I am **part of a community** when I visit online forums or discussion boards.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

Now, we'd like you to think about how you spend time **using other social media apps or platforms**—that is, spaces where people can share photos, videos, and information about themselves or others with audiences in a variety of ways (e.g., TikTok, Instagram, Snapchat). Often, these apps contain multiple ways of interacting with each other, allowing users to customize their experiences. (For example, within Instagram, someone can look at Reels, their Explore page, post Stories, *and* look through their feed of accounts they choose to follow.)

88. On which of the following social media platforms do you have an account **and** use at least once a week? (Select all that apply.)

- a. TikTok

b. Snapchat

c. Instagram

d. Facebook

e. X (Twitter)
- f. Twitch

g. BeReal

h. Pinterest

i. Bluesky

j. Other: [open response]

89. About how often do you use social media?

- a. Never

b. Less than once a month

c. About once a month

d. A few times a month

e. About once a week
- f. A few times a week

g. About once a day

h. A few times a day

i. Almost constantly

[If NEVER]
In the past year, did you ever use social media?
1. Yes
2. No
[If NO, skip to next block of questions]

90. When you use social media, how often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Have a specific goal in mind for going to a platform (e.g., updating friends, looking for news, networking)?					
Go to a platform just for fun, without another specific goal?					

91. When you use social media, how often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Search for information about school subjects or homework?					
Search for information not related to school (e.g., to answer a question you have, to learn more about a hobby)?					
Browse suggested or featured content, such as videos or posts?					
Read or watch content created for a specific interest group (e.g., fandoms, hobbies, gaming, sports, etc.)??					
Read or watch content related to your identity (e.g., your gender identity, ethnicity, religion, culture)?					

92. How often do you do each of the following when you are on social media?

	Never	Rarely	Sometimes	Often	Almost Always
Post your own content?					
Repost/share others' content?					
Use react features such as "likes" to engage with others' content?					
Add a comment to a post, or reply to someone else's comment?					

93. When you share social media content (for example, posts, videos, links) with other people, how often do you use the methods listed below?

	Never	Rarely	Sometimes	Often	Almost Always
I tag people in posts, comments, photos, or other media.					
I use in-app “share” features.					
I send a text or other type of message with a link to the content I want to share.					
I show the person the content on my device and look at it with them.					

94. On average, how often do you share social media content with each of the following groups?

	Never	Rarely	Sometimes	Often	Almost Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don’t know offline)					
People I don’t know personally (e.g., strangers)					

95. How frequently do you...

	Never	Rarely	Sometimes	Often	Almost Always
Interact with friends from offline parts of your life (e.g., school, clubs, religious activities) on social media?					
Meet in-person with someone who you first met through social media?					

96. Have you ever met someone on social media who you consider to be your friend?

- a. Yes
- b. No
- c. I have not met anyone through social media

To what extent do you disagree or agree with the following statements?

97. I feel **connected to** others when I use social media.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

98. I feel **emotionally supported by** others when I use social media.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

99. I feel like I am **part of a community** when I use social media.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

Finally, we'd like to learn more about how you use messaging or video chat apps, such as iMessage, WhatsApp, Telegram, or FaceTime.

100. About how often do you use messaging or video chat apps?

- a. Never
- b. Less than once a month
- c. About once a month
- d. A few times a month
- e. About once a week
- f. A few times a week
- g. About once a day
- h. A few times a day
- i. Almost constantly

[If NEVER]

In the past year, did you ever use a messaging or video chat app?

1. Yes
2. No

[If NO, skip to next block of questions]

People can use messaging and video chat apps such as iMessage, WhatsApp, and Telegram in many different ways. Please respond to the following questions about some of these options.

101. When you go to a messaging app, how often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Have a specific goal for use, such as contacting someone or responding to a notification?					
Look at messages without a specific purpose (e.g., opening an app out of habit)?					

102. How often do you use text messaging apps to:

	Never	Rarely	Sometimes	Often	Almost Always
Send a text message to <u>one person</u>					
Send a text to <u>a group chat</u>					

103. About how many text messages do you send **in a typical school day**?

- a. 0
- b. 1-49
- c. 50-100
- d. More than 100

104. About how many active group chats are you a part of right now? (When we say “active,” we would like you to think about group chats in which you receive notifications from at least once a day.)

[Number response]

105. On average, **when you send text messages**, how often do you send them to:

	Never	Rarely	Sometimes	Often	Almost Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don't know offline)					
People I don't know personally (e.g., strangers)					

106. Next, please consider how you use **voice calls**. How often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Voice call one person					
Participate in a group voice call					

107. On average, when you **voice call**, how often do you talk with:

	Never	Rarely	Sometimes	Often	Almost Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don't know offline)					
People I don't know personally (e.g., strangers)					

108. Next, please think about **video chats**. How often do you:

	Never	Rarely	Sometimes	Often	Almost Always
Video chat one person					
Participate in a group video chat					

109. On average, when you **video chat**, how often is it with:

	Never	Rarely	Sometimes	Often	Almost Always
Family					
My close friends who I know from offline parts of my life					
Other friends or peers who I know from offline parts of my life					
People I consider to be my online friends (who I don't know offline)					
People I don't know personally (e.g., strangers)					

110. When you use a messaging app, how often do share:

	Never	Rarely	Sometimes	Often	Almost Always
Share photos, videos that you took					
Visual content that you find other places online, such as memes, GIFs, or images					

To what extent do you disagree or agree with the following statements?

111. I feel **connected to others** when I use messaging or video chat apps.

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

112. I feel **emotionally supported by others** when I use messaging or video chat apps.

- Strongly disagree

- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree

113. I feel like I am **part of a community** when I use messaging or video chat apps.

- a. Strongly disagree
- b. Disagree
- c. Neither agree nor disagree
- d. Agree
- e. Strongly agree