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# Youth Perspectives on Online Safety, 2022: an Annual Report of Youth Attitudes and Experiences

Findings from 2022 qualitative and quantitative research among 9-17-year-olds

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Research conducted by Thorn in partnership with Benenson Strategy Group

THORN 

 Benenson  
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Group

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# Acknowledgments

Understanding the complex intersection of technology and child sexual abuse empowers us to safeguard kids from the ever-evolving threats they face online. Without direct insights from kids who are encountering these issues every day, we risk falling behind in developing valuable resources for them to navigate the digital age safely.

## THANK YOU

We are grateful to the kids who took the time to participate in our research. Without their gracious participation, we would not be able to share these key insights about self-generated child sexual abuse material and the hurdles to disclosure from online harms.

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# Introduction

Since 2019, Thorn has undertaken multiple research initiatives focused on better understanding the experiences, challenges, and risks that young people are facing in online spaces today. Thorn's past research with youth<sup>1</sup> has investigated their attitudes and experiences with online grooming, sharing "nudes," nonconsensual reshares, as well as how they do – or do not – navigate attempts at disclosure of their online sexual experiences.

Cutting across many of these experiences, the issue of apparent **self-generated child sexual abuse material (SG-CSAM)**, or imagery where no obvious offender is present with the depicted child, is a core area of discussion among many members of the child-safety ecosystem. Rarely is the context of a self-generated image obvious based on the image alone, and the pathways to production illuminate important context for those developing safeguarding solutions. For instance, the imagery could be the outcome of coercion (like in the case of sextortion), manipulation (like in the case of online grooming), and/or an initially consensual share gone wrong (like in nonconsensual resharing experiences). As a result, it's vital that prevention strategies, interventions, and disclosure support offered to the child involved reflect the diverse realities that can lead to the production of SG-CSAM and the broad range of outcomes that can occur and generate harm.

This report presents the latest year of data in Thorn's annual monitoring research and, where available, a look at how the data has changed over time. This data offers stakeholders a snapshot of the current state of the issue through young people's eyes and elevates areas where further investigation is warranted to develop the most effective prevention strategies and interventions.

The latest data affirms the continued normalization of sharing nudes with both online and offline contacts, the similar rates of exposure by minors to online sexual interactions with adults as well as other minors, and the importance of online safety tools as young people attempt to respond to online risks. The data also underscores a need for deeper exploration into the heightened risk and perspectives of boys, the increased prominence of sharing nudes within offline romantic relationships, and the increased experiences youth have had with nonconsensual resharing.

It remains our hope that this ongoing research will elevate the experiences of young people, support the qualified development of data-driven prevention strategies and interventions, and inspire more research into, not only, the risks kids may face online, but how they are currently attempting to navigate them with the tools they have available.

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<sup>1</sup> See Methodology & Research Design section of this report for a complete index of the youth focused research that contributes to Thorn's annual monitoring portfolio.

# The Digital Landscape

Year over year, minors report they are online, on all platforms, regardless of the platform's intended user base and despite varying types of age verification systems in place. The digital landscape in which online platforms exist remains dynamic and this is reflected in minors' engagement with different platforms from one year to the next. As in past years, in 2022, minors surveyed reported increased usage on some platforms, while others dropped off.<sup>2</sup>

In 2022, the top five platforms ever used by minors were YouTube (98%), TikTok (82%), Minecraft (80%), Roblox (72%), and Fortnite (71%) (Fig 1). The three platforms that showed the most notable increases in usage rates among minors in 2022 were Fortnite (+14%), Roblox (+13%), and Discord (+12%) (Fig 1).

The five platforms with the highest daily usage rates were YouTube (83%), TikTok (62%), Snapchat (45%), Instagram (44%), and Facebook (42%) (Fig 2).

Similar to previous years, minors also reported using applications intentionally designed for adult users (aged 18 or older) to foster romantic or sexual experiences. In 2022, 1 in 5 (19%) minors reported they have used a dating app (e.g., Tinder, Grindr, Hinge, or Bumble) and 1 in 5 (20%) reported they have used a pornography website (Fig 3). Unsurprisingly, teens reported higher usage of these sites and applications than minors aged 9-12; likewise, boys reported higher usage than girls. Notably, younger boys (aged 9-12) were 6x more likely to report they had used a dating app and they were nearly 3x more likely to report using a pornography website compared to their female counterparts (Fig 3).

Use of secondary accounts<sup>3</sup> (i.e., accounts designed to keep content private from some groups like caregivers or friends) increased slightly (+5%) in 2022, driven heavily by a notable increase (+15%) in secondary account usage among LGBTQ+ minors during this same period (Fig 4).<sup>4</sup>

<sup>2</sup> Platforms where data is not available (Fig 1, 2, and 7) are platforms added in subsequent surveys. For more detail on how platforms were selected for this survey, see the Methodology & Research Design section of this report.

<sup>3</sup> Such as, but not limited to, "finstas" or "fake instagrams"

<sup>4</sup> Secondary account usage by LGBTQ+ youth is explored in greater detail in Thorn's LGBTQ+ Youth Perspectives: How LGBTQ+ Youth are Navigating Exploration and Risks of Sexual Exploitation Online (2023).

Fig 1 | Platform usage rates - ever used

Q14B. How often do you use/ check/play each of the following?

	All Minors			Ages 9-12			Ages 13-17		
	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019
Amino	5%	-1	-	4%	0	-	6%	-1	-
Among Us	49%	+6	-	52%	+8	-	46%	+4	-
BeReal	11%	-	-	6%	-	-	15%	-	-
Byte	7%	+3	-	5%	+1	-	9%	+5	-
Call of Duty	62%	+10	-	56%	+8	-	66%	+11	-
Chatroulette	5%	+1	-	5%	0	-	5%	+1	-
Discord	46%	+12	+14	36%	+12	+13	55%	+12	+16
Facebook	67%	+6	+12	53%	+1	+2	78%	+11	+20
Fortnite	71%	+14	+19	72%	+11	+12	69%	+15	+24
Google Hangouts/ Google Meet	49%	-2	+23	37%	-10	+16	59%	+5	+29
GTA	54%	+10	+7	48%	+8	+3	60%	+13	+12
Instagram	69%	+3	+1	51%	+2	-5	84%	+5	+7
Kik	19%	+6	+1	14%	+4	-4	22%	+7	+5
Live.me	8%	+1	-	5%	-1	-	11%	+4	-
Marco Polo	11%	+1	-7	9%	-2	-14	12%	+3	-2
Messenger	68%	+4	+16	60%	-1	+9	75%	+9	+22
Minecraft	80%	+9	-	80%	+8	-	80%	+10	-
Monkey	6%	0	-11	3%	-3	-14	7%	+1	-9
Omegle	15%	+2	-	11%	+2	-	17%	0	-
Reddit	44%	+10	+12	30%	+4	+6	55%	+14	+17
Roblox	72%	+13	-	76%	+10	-	69%	+15	-
Signal	8%	+3	-4	6%	0	-6	9%	+4	-3
Snapchat	68%	0	0	54%	-4	-7	80%	+3	7
Tagged	8%	+3	-	7%	+2	-	10%	+5	-
Telegram	20%	+7	7	15%	+2	+2	23%	+9	+10
TikTok	82%	+7	+30	74%	+5	+19	88%	+8	+39
Tor/Onion Browser	5%	-	-	3%	-	-	6%	-	-
Triller	8%	+2	-	7%	+2	-	10%	+3	-
Tumblr	36%	+2	+11	26%	-1	+5	43%	+4	+15
Twitch	44%	+11	+14	35%	+10	+7	51%	+12	+19
Twitter	52%	+1	+11	35%	-4	+7	66%	+5	+16
VSCO	7%	-1	-11	7%	+1	-8	8%	-2	-12
WhatsApp	46%	+2	+19	33%	-6	+10	57%	+10	+27
Whisper	7%	+2	-	4%	-1	-	9%	+5	-
Wickr	5%	+1	-	4%	0	-	6%	+2	-
Wink	8%	+3	-	6%	0	-	9%	+5	-
Wishbone	6%	-1	-	5%	0	-	7%	-1	-
YouNow	7%	+1	-	5%	-1	-	8%	+3	-
YouTube	98%	0	+3	97%	0	+3	99%	+1	+3
Yubo	6%	-1	-	5%	0	-	6%	-3	-

Fig 2 | Platform usage rates - at least once per day

Q14B. How often do you use/check/play each of the following?

	All Minors			Ages 9-12			Ages 13-17		
	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019
Amino	1%	-1	-	0%	-2	-	2%	0	-
Among Us	12%	+2	-	14%	+1	-	11%	+4	-
BeReal	5%	-	-	3%	-	-	7%	-	-
Byte	3%	+1	-	1%	0	-	4%	+2	-
Call of Duty	24%	+9	-	20%	+6	-	27%	+12	-
Chatroulette	1%	0	-	1%	0	-	1%	0	-
Discord	23%	+6	+9	16%	+4	+6	28%	+8	+12
Facebook	42%	+6	+13	29%	-3	0	52%	+13	+23
Fortnite	29%	+10	+6	33%	+10	+2	26%	+10	-7
Google Hangouts/ Google Meet	17%	0	-	11%	-5	-	22%	+4	+11
GTA	18%	+6	+4	17%	+6	+2	20%	+7	+3
Instagram	44%	+2	-2	29%	+3	-5	57%	+2	+28
Kik	6%	+3	1	4%	+1	-3	6%	+3	+2
Live.me	4%	+2	-	2%	0	-	5%	+3	-
Marco Polo	2%	-1	-	2%	-2	-	2%	-1	0
Messenger	39%	+5	+12	30%	-2	+3	46%	+10	+16
Minecraft	29%	+4	-	33%	+3	-	26%	+5	-
Monkey	1%	-1	-3	1%	-2	-5	2%	0	+1
Omegle	4%	0	-	4%	0	-	5%	+1	-
Reddit	14%	+4	+3	9%	0	-3	18%	+8	+9
Roblox	36%	+11	-	47%	+12	-	28%	+11	-
Signal	2%	0	-3	1%	-2	-2	3%	+1	+2
Snapchat	45%	+3	-3	31%	+2	-10	55%	+3	+24
Tagged	3%	+1	-	2%	0	-	3%	+1	-
Telegram	9%	+3	+5	8%	+3	+4	10%	+3	+2
TikTok	62%	+9	+32	56%	+11	+23	66%	+7	+10
Tor/Onion Browser	2%	-	-	2%	-	-	2%	-	-
Triller	2%	-1	-	2%	0	-	3%	0	-
Tumblr	11%	0	+3	10%	0	+3	12%	0	+2
Twitch	17%	+7	+7	14%	+7	+2	20%	+9	+6
Twitter	25%	+1	+7	17%	-2	+3	31%	+2	+14
VSCO	3%	0	-3	3%	+1	-2	2%	-1	-1
WhatsApp	20%	0	+8	14%	-6	+3	26%	+6	+12
Whisper	3%	+1	-	2%	-1	-	3%	+1	-
Wickr	2%	+1	-	1%	-1	-	2%	+1	-
Wink	3%	+1	-	4%	+2	-	2%	0	-
Wishbone	1%	-1	-	1%	-1	-	1%	-1	-
YouNow	2%	0	-	1%	-1	-	2%	+1	-
YouTube	83%	+4	+4	84%	+6	+5	82%	+3	-2
Yubo	1%	-1	-	1%	-1	-	2%	0	-

Note: The remainder of the report focuses only on platforms with base sizes above n=100 for "ever used".

Fig 3 | Dating and pornography site usage rates

QApps. Do you use any of the following dating or adult apps?

	Any Dating App	Only Fans	Pornography Site
<b>All Minors</b>	19%	12%	20%
<b>Girls</b>	12%	6%	12%
<b>Boys</b>	25%	18%	28%
<b>Ages 9-12</b>	11%	8%	12%
<b>Girls</b>	3%	3%	6%
<b>Boys</b>	19%	14%	17%
<b>Ages 13-17</b>	24%	15%	27%
<b>Girls</b>	19%	9%	16%
<b>Boys</b>	30%	22%	37%
<b>LGBTQ+</b>	21%	12%	31%
<b>Non LGBTQ+</b>	19%	12%	19%
<b>African American</b>	21%	13%	21%
<b>Hispanic/Latino</b>	19%	10%	23%
<b>Other POC</b>	9%	8%	16%
<b>White</b>	21%	14%	21%

Note: "Any dating app" includes participant selection for Tinder, Grindr, Bumble, Hinge, or "Other".

Fig 4 | Use of secondary accounts

Q17. Some people have a "finsta"— or multiple accounts on one social network so that they can share some stuff more privately. Across the social media platforms or apps that you use, do you have a second private account that allows you to share content without certain people such as your parents, family, or people at school seeing it?

		2022	+/- from 2021	+/- from 2019
<b>All Minors</b>	Yes	27%	+5	+4
	Prefer not to say	3%	-3	-8
	No	71%	-1	+5
<b>Ages 9-12</b>	Yes	18%	+2	+4
	Prefer not to say	1%	-2	-10
	No	80%	-1	+5
<b>Girls</b>	Yes	15%	-1	0
	Prefer not to say	2%	-2	-8
	No	83%	+3	+8
<b>Boys</b>	Yes	21%	+5	+8
	Prefer not to say	1%	-1	-10
	No	78%	-4	+1
<b>Ages 13-17</b>	Yes	34%	+7	+5
	Prefer not to say	3%	-5	-8
	No	63%	-2	+3
<b>Girls</b>	Yes	31%	+6	-7
	Prefer not to say	4%	-5	-6
	No	65%	-2	+13
<b>Boys</b>	Yes	34%	+6	+13
	Prefer not to say	3%	-3	-10
	No	64%	-1	-3
<b>LGBTQ+</b>	Yes	43%	+15	+6
	Prefer not to say	4%	-7	-12
	No	52%	-9	+6
<b>Non-LGBTQ+</b>	Yes	24%	+4	+5
	Prefer not to say	2%	-2	-7
	No	73%	-2	+2
<b>African American</b>	Yes	29%	+5	+7
	Prefer not to say	3%	+1	-7
	No	68%	-6	+1
<b>Hispanic/Latino</b>	Yes	32%	+3	+9
	Prefer not to say	4%	-3	-11
	No	64%	-1	+2
<b>Other POC</b>	Yes	23%	+1	-5*
	Prefer not to say	4%	-2	-8*
	No	73%	+1	+13*
<b>White</b>	Yes	26%	+8	+5
	Prefer not to say	2%	-4	-6
	No	72%	-4	0

\*Base size <100



# Potentially Harmful Online Experiences

## KEY METRICS

1 in 3

minors reported having an online sexual interaction.

29%

of all minors reported having an online sexual interaction with someone they believed to be an adult.

1 in 5

9-12-year-olds reported having an online sexual interaction with someone they believed to be an adult.

While the internet offers young people beneficial opportunities to connect, learn, and explore, it also creates new risks and opportunities for them to experience harm. In 2022, more than half (58%) of minors reported they had a potentially harmful online experience and 1 in 3 (33%) minors reported they had an online sexual interaction (Fig 5).

As discovered in years prior, minors continue to report having online sexual interactions with adults and other minors at similar rates. However, in 2022, minors reported having online sexual interactions with someone they believed to be aged 18 or older at a slightly higher rate (29%) than with another user they believed to be younger than 18 (24%) (Fig 6).

Understanding how often young people are having potentially harmful online sexual interactions is important, but we must also identify where these experiences are happening in order to effectively develop solutions. This research analyzed where minors report having online sexual experiences in two different ways: (1) the share of all minors who have had a given experience on a specific platform, and (2) the share of a platform's users who have had a given experience. The former helps inform where the greatest number of minors are having online

sexual interactions, while the latter illustrates which platforms have the highest rate of these experiences for minor users. In other words, more minors overall may have an online sexual interaction on some of the more widely used platforms, however there may be a greater likelihood of users having an online sexual interaction on lesser-used platforms.

In 2022, the top five platforms where the most minors reported having had an online sexual experience were Snapchat (15%), Facebook (13%), Instagram (13%), Messenger (13%), TikTok (10%), and Twitter (10%) (Fig 7). However, when looking exclusively at minor platform users, the top five platforms with the highest rates of online sexual interactions were different. Minor platform users were most likely to indicate they had experienced an online sexual interaction on Omegle (28%), Telegram (28%), Kik (24%), Snapchat (21%), Facebook (19%), and Twitter (19%) (Fig 7).

While minor platform users reported somewhat consistent rates of online sexual interactions with users they believed to be an adult from 2021 to 2022, minor users of Telegram reported a notable (+8%) increase (Fig 7).

Fig 5 | Rates of potentially harmful online experiences among minors

Q19B. Please indicate if you have ever experienced any of the following on a platform. Please select all that apply and remember that your answers are anonymous.

	All Minors			Ages 9-12			Ages 13-17		
	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020
<b>Potentially harmful online experience</b>	<b>58%</b>	<b>+9</b>	<b>+10</b>	<b>55%</b>	<b>+11</b>	<b>+8</b>	<b>60%</b>	<b>+7</b>	<b>+11</b>
<b>Online sexual interaction</b>	33%	+2	0	22%	+2	-5	41%	+2	+4
...asked me to send a nude photo or video	20%	+4	+2	11%	+1	-3	28%	+7	+8
...asked me to go 'on cam' with a nude or sexually explicit stream	13%	+3	+1	10%	+4	+2	15%	+3	0
...shared a nude photo or video of themselves with me	15%	+1	-3	7%	-2	-6	22%	+5	+1
...shared a nude photo or video of another kid with me	9%	0	-1	7%	+1	-2	10%	-1	-2
...sent me sexual messages	25%	+8	+4	15%	+7	0	33%	+10	+7
<b>Bullied/made uncomfortable online</b>	51%	+12	+13	48%	+12	+10	53%	+11	+15
...bullied me	37%	+10	+13	41%	+15	+13	34%	+6	+12
...made me feel uncomfortable	36%	+8	+9	28%	+6	+6	42%	+10	+12

Fig 6 | Percentage of minors who have had an online sexual interaction with peers or adults

Q19B. Please indicate if you have ever experienced any of the following on a platform. Please select all that apply and remember that your answers are anonymous.

2020 2021 2022

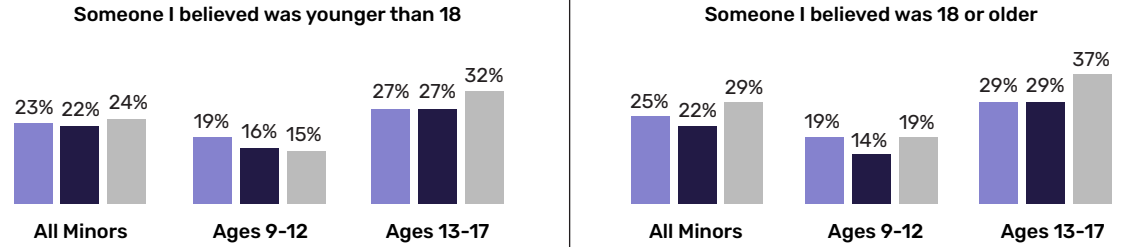


Fig 7 | Online sexual interactions involving both peers and adults by platform

Q20. For each of the following platforms, please indicate if you have ever experienced any of the following.

	OF USERS WHO HAVE HAD						OF ALL MINORS WHO HAVE HAD					
	An online sexual interaction			An online sexual interaction w/ someone they thought was 18 or older			An online sexual interaction			An online sexual interaction w/ someone they thought was 18 or older		
	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020
Among us	6%	+2	0	3%	+1	-2	3%	+1	0	1%	0	-1
BeReal	14%	-	-	9%	-	-	2%	-	-	1%	-	-
Call of Duty	9%	+2	-2	3%	0	-2	5%	+2	0	2%	+1	0
Discord	17%	+2	+3	10%	+2	+2	8%	+3	+3	5%	+2	+2
Facebook	19%	-1	+3	13%	+3	+3	13%	+1	+3	9%	+3	+3
Fortnite	8%	+1	0	4%	+1	-1	6%	+2	+2	3%	+1	+1
Google Hangouts/ Google Meet	14%	-2	-1	9%	+1	0	7%	-1	-2	4%	0	-1
Grand Theft Auto	10%	+4	0	5%	+2	0	6%	+3	+2	3%	+2	+1
Instagram	18%	-2	-4	11%	0	-2	13%	0	-3	8%	+1	-1
Kik	24%	-2	+1	14%	+3	0	5%	+2	+2	3%	+2	+1
Marco Polo	15%	-5	-2	8%	-1	0	2%	0	+1	1%	0	0
Messenger	18%	-2	0	13%	+4	+3	13%	+1	+2	9%	+4	+3
Minecraft	7%	+2	+2	3%	+1	0	5%	+2	+2	3%	+1	+1
Omegle	28%	-9	-	23%	+1	-	4%	-1	-	3%	0	-
Reddit	14%	+3	+7	11%	+4	+7	6%	+2	+4	5%	+3	+4
Roblox	8%	+3	+3	5%	+2	+3	6%	+3	+3	3%	+1	+2
Snapchat	21%	-1	-2	14%	+4	-1	15%	+1	-1	10%	+3	0
Telegram	28%	+9	+7	18%	+8	+4	5%	+3	+3	3%	+2	+2
TikTok	12%	-1	-2	8%	+3	+1	10%	+1	+1	6%	+2	+1
Tumblr	18%	-5	-2	9%	-2	-3	6%	-1	-1	3%	-1	-1
Twitch	12%	+3	+3	6%	+1	+2	5%	+2	+2	3%	+1	+1
Twitter	19%	0	+4	13%	+5	+5	10%	0	+1	7%	+3	+2
WhatsApp	18%	-2	-3	9%	0	-2	8%	0	-1	4%	0	-1
YouTube	8%	0	-1	4%	+1	-1	7%	-1	-2	4%	+1	-1

# SG-CSAM

## KEY METRICS

### 1 in 7

minors have shared their own SG-CSAM.

### 1 in 4

minors agree that it is normal for people their age to share nudes with each other.

### 1 in 3

minors who have shared their own SG-CSAM have done so with someone they believed to be an adult.

Many of minors' online sexual experiences involve receiving requests for and/or sharing of nude imagery. In 2022, 1 in 7 (14%) minors reported they have shared a nude image or video of themselves with someone else (Fig 8). Compared to the year prior, fewer minors aged 9-12 (-8%) reported sharing this type of content as did fewer Hispanic/Latino minors (-17%) (Fig 8).

While 2022 saw an overall decrease in the number of minors reporting they have ever shared their own SG-CSAM (-4%), among those who have, there was an increase (+10%) in minors who indicated they had done so in the past year (Fig 9).

Overall, in 2022, minors' perceptions that it is normal for people their age to share nudes with each other was generally consistent with past years, with 1 in 4 agreeing that it was normal (Fig 10).

Among minors who have shared SG-CSAM, more than half (52%) reported having done so with someone they only knew online (Fig 11); they were also more likely (66%) to report they had shared SG-CSAM with someone they believed to be under the age of 18 than with someone they believed to be an adult (36%) (Fig 12).

In 2022, the percentage of minors who have not shared their own SG-CSAM but reported having considered sending it remained closely consistent with prior years at 13% (Fig 13). When asked a follow-up question about what influenced their decision, the leading consideration among minors who ultimately chose not to share was fear of the image being leaked or shared.

**"Because I don't know who they will show or send it to. They could save it for when they're mad at me and either black mail me or just leak it. Better safe than exposed."**

**CIS FEMALE, 17, WHITE, NORTHEAST**

**"I decided not to share because it would be permanent and there would be no way to take that action back."**

**CIS MALE, 17, AFRICAN AMERICAN/BLACK/CARIBBEAN AMERICAN, SOUTH**

Fig 8 | Experiences sharing SG-CSAM

Q40X: Have you ever sent or shared a nude photo or video of yourself either directly with someone else or with your social media followers?

	2022	+/- from 2021	+/- from 2019
<b>All Minors</b>	14%	-4	+3
<b>Girls</b>	11%	-2	-1
<b>Boys</b>	16%	-6	+7
<b>Ages 9-12</b>	6%	-8	0
<b>Girls</b>	6%	-7	+3
<b>Boys</b>	7%	-8	0
<b>Ages 13-17</b>	20%	-2	+5
<b>Girls</b>	16%	+2	-3
<b>Boys</b>	22%	-6	+11
<b>LGBTQ+</b>	24%	-2	+3
<b>Non-LGBTQ+</b>	12%	-4	+4
<b>African American</b>	14%	-5	+3
<b>Hispanic/Latino</b>	14%	-17	+3
<b>Other POC</b>	16%	+8	+4*
<b>White</b>	14%	+1	+3

Note: Numbers shown reflect the percentage of minors who reported they have shared their own nude imagery. \*Base size <100

Fig 9 | Experiences sharing SG-CSAM in the past year  
Among kids who have shared their own nudes

Q40XT: And have you sent or shared a nude photo or video of yourself either directly with someone else or with your social media followers in the past year? Please remember that your answers are anonymous.

	2022	+/- from 2021
<b>All Minors</b>	78%	+10
<b>Girls</b>	67%*	+9*
<b>Boys</b>	85%*	+10*

Note: Numbers shown reflect, among minors that have shared their own nudes, the percentage who reported they have shared their own nude imagery in the past year. \*Base size <100

Fig 10 | Perceptions of normalcy

Q40. How strongly do you agree with the following statement: "It's normal for people my age to share nudes with each other."

	2022	+/- from 2021	+/- from 2019
<b>All Minors</b>	24%	-1	-3
<b>Girls</b>	18%	-2	-8
<b>Boys</b>	29%	+2	+1
<b>Ages 9-12</b>	14%	0	+1
<b>Girls</b>	7%	-6	-3
<b>Boys</b>	21%	+6	+5
<b>Ages 13-17</b>	32%	-1	-7
<b>Girls</b>	28%	+2	-11
<b>Boys</b>	35%	-2	-3
<b>LGBTQ+</b>	41%	+5	+2
<b>Non-LGBTQ+</b>	22%	0	-3
<b>African American</b>	25%	0	-3
<b>Hispanic/Latino</b>	28%	-9	-2
<b>Other POC</b>	20%	+1	-1*
<b>White</b>	24%	+4	-3

Note: Numbers shown reflect the net percentage of minors who selected they "strongly agree" or "somewhat agree." \*Base size <100

Fig 11 | **Sharing nudes with someone you know versus a stranger**

Among minors who've shared their own nudes

Q44. And had you met the person or people you shared this nude photo/video with in real life before you shared it?

	Had met the person(s) before			Had met some of the person(s) but not all			Had not met the person(s) before		
	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019
All Minors	48%	-9	-14	31%	+1	+4	21%	+8	+11
Ages 9-12	-	-	-	-	-	-	-	-	-
Ages 13-17	51%	-9	-9*	30%	+4	+2*	18%	+4	+7*
LGBTQ+	42%**	-12**	-9**	30%**	+9**	-12**	28%**	+3**	+21**
Non-LGBTQ+	50%	-8	-20*	31%	-3	+13*	19%	+11	+7*
African American	40%**	-15**	-38**	25%**	0**	+14**	35%**	+14**	+24**
Hispanic/Latino	49%**	-10**	-22**	19%**	-15**	+4**	33%**	+26**	+19**
Other POC	-	-	-	-	-	-	-	-	-
White	53%*	-5*	+2*	33%*	+6*	-7*	14%*	-1*	+5*

Note: Data for minors aged 9-12 and Other PoC is not featured because all related data had a base size of <25.

\*Base size <100 \*\*Base size <50

Fig 12 | **Perceived age of recipient**  
Among minors who've shared their own nudes

Q46. Have you ever sent or shared nude photo(s)/video(s) of yourself with any of the following...?

	Someone aged 18 or older			Someone under the age of 18			Someone whose age you didn't know			Other		
	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020
<b>All Minors</b>	36%	-6	-5	66%	+13	+9	28%	+4	-2	4%	0	0
<b>Girls</b>	24%*	-8*	-17*	67%*	+8*	-1*	26%*	+5*	0*	8%*	+1*	+7*
<b>Boys</b>	39%*	-9*	-1*	72%*	+26*	+25*	30%*	+3*	-4*	2%*	0*	-4*

Note: Question was multiple select. Answer choice "other" was included as an option for minors who might feel uncomfortable disclosing their perception of the age of the person(s) with whom they have shared SG-CSAM.  
\*Base size <100

Fig 13 | **Percentage of minors who considered sharing a nude, but chose not to**

Q41. Even though you have never shared a nude photo, have you ever considered doing so?

	2022	+/- from 2021	+/- from 2019
<b>All Minors</b>	13%	+3	+2
<b>Girls</b>	14%	+3	+3
<b>Boys</b>	12%	+3	+1

Note: Numbers shown reflect percentage of minors who selected 'yes.' \*Base size <100

# Nonconsensual Resharing

## KEY METRICS

**1 in 7**  
minors reported having nonconsensually reshared SG-CSAM.

**1 in 4**  
minors reported having seen nonconsensually reshared SG-CSAM.

**1 in 7**  
minors, aged 9-12, reported having seen nonconsensually reshared SG-CSAM.

**1 in 3**  
minors exclusively or predominantly blame the person in the image rather than the resharer.

In 2022, 15% of minors admitted to resharing someone else’s SG-CSAM (Fig 14). This represents an increase from prior years.

In 2022, nearly 1 in 4 (23%) minors reported they had seen the nonconsensually reshared images of others (Fig 15).

When asked about their experiences with nonconsensually reshared SG-CSAM, either as the sharer (Fig 14) or the recipient (Fig 15), minors are

less likely to select ‘prefer not to say’, indicating a potential shift in attitudes or stigmatization around nonconsensual resharing.

Minors’ perceptions of blame in situations involving nonconsensually reshared SG-CSAM in 2022 also reflected consistency with past years; they were more likely to ultimately blame the resharer (60%) as opposed to the person in the image (39%) (Fig 16).

Fig 14 | Experiences resharing SG-CSAM

Q50. Have you ever shared a nude photo or video of someone else without that person’s knowledge online?

	2022	+/- from 2021	+/- from 2019
Yes	15%	+6	+6
Prefer not to say	1%	-1	-6
No	84%	-5	0



Fig 15 | Experiences having seen nonconsensually reshared SG-CSAM

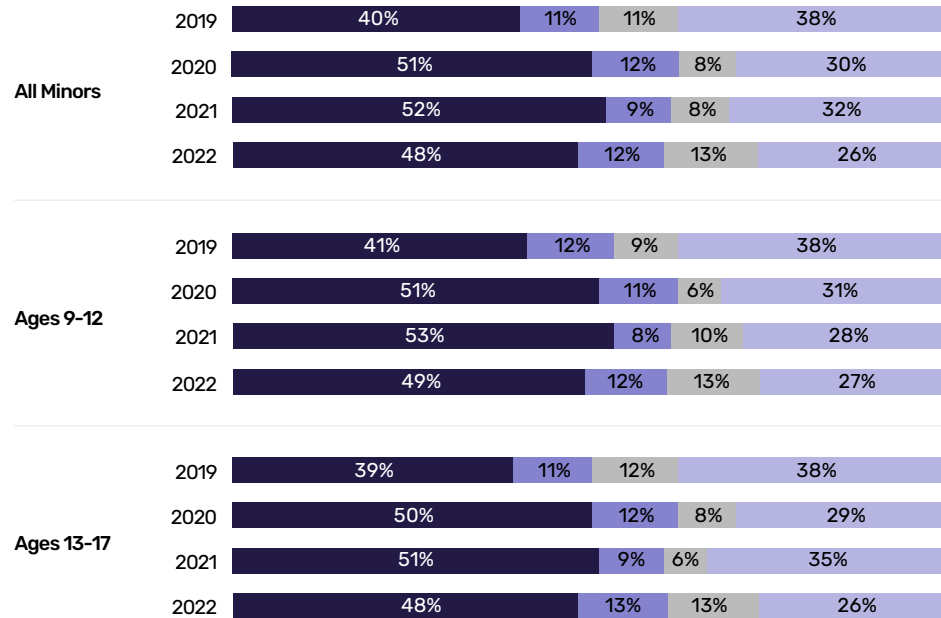
Q49. Have you ever been shown or sent a nude photo or video of someone at your school or someone else your age in your community without that person's knowledge?

	All Minors			Ages 9-12			Ages 13-17		
	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019	2022	+/- from 2021	+/- from 2019
Yes	23%	+3	+2	15%	+2	+4	29%	+4	0
Prefer not to say	2%	-3	-7	1%	-2	-8	3%	-5	-6
No	75%	+1	+5	84%	0	+4	68%	+1	+6

Fig 16 | Perceptions of blame

Q51. In your opinion, if a nude photo or video of someone gets out, who is to blame? // Q52. And if a nude photo or video of someone gets out, who is **most** to blame?

Resharer's fault alone    Both (lean resharer)    Both (lean person in photo)    Victim's fault alone



# Responding to Online Risks

## KEY METRICS

### 1 in 5

minors who experienced an online sexual interaction did not disclose their experience to anyone.

### 1.5x

minors who have had an online sexual interaction were more than 1.5 times more likely to use online reporting tools than to seek offline help.

In 2022, 1 in 5 (19%) minors who had an online sexual interaction indicated they had not disclosed their experience to anyone (Fig 17). The leading rationales, among those who did not disclose their online sexual experience, were because they “felt [it] was not a big deal” (47%) and/or they felt embarrassed and worried [about] being judged” (35%) (Fig 18).

Consistent with years prior, in 2022, minors who have had an online sexual interaction and disclosed their experience were more likely to use online safety tools than they were to turn to offline support systems, such as a caregiver or a friend. Among minors who have had an online sexual interaction, they were more than one and a half times as likely to use online reporting tools (86%) than they were to seek offline help (47%) (Fig 19). That said, in 2022, minors who had an online sexual interaction were also more likely to seek offline support than they were in previous years (+12%) (Fig 19).

Minors who chose to turn to a friend for support reported greater trust in the advice and support from offline relationships than those made online. While 1 in 4 (22%) minors felt they could trust their online-only friendships, they were much more likely (64%) to trust friends they knew offline (Fig 21).

Consistent with previous findings, when asked what would increase their likelihood to use a platform’s reporting tool, roughly 3 in 4 (78%) minors indicated anonymity in their report would make them more likely to engage with reporting tools (Fig 22). Around half of all minors indicated that they wanted more information from platforms about how to protect themselves online, as well as how to block and report people (Fig 23).

Fig 17 | **Percentage of minors who did not disclose their potentially harmful online experience**

Among minors who have had...

Q33. Earlier you indicated that you have experienced the following on a platform. For the scenarios you experienced, which of the following, if any, did you turn to for support?

	2022	+/- from 2021	+/- from 2020
... a potentially harmful online experience	19%	+3	-5
... an online sexual interaction	19%	+5	-7

Note: Numbers reflect the percent of minors who selected "No one".

Fig 18 | **Reasons why minors did not disclose their potentially harmful online**

Among minors who turned to 'no one' for support who have had...

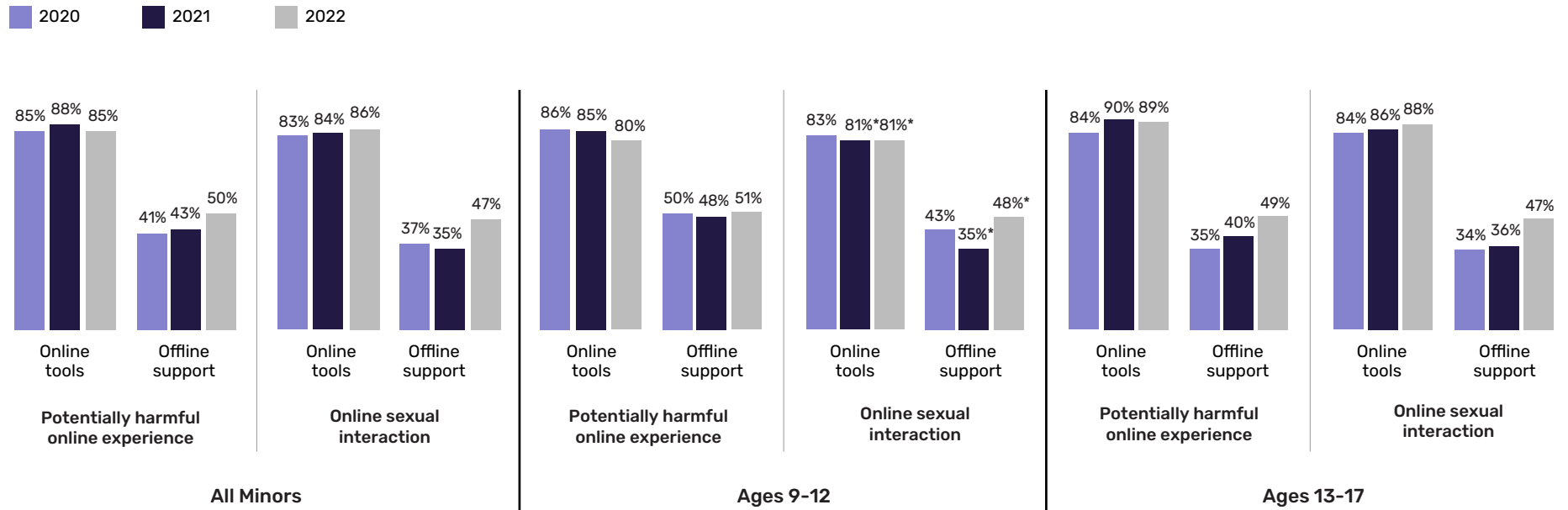
Q34. Which of the following describe why you did not look for additional support following experiences you have had on a platform?

	...a potentially harmful online experience			...an online sexual interaction		
	2022	+/- from 2021	+/- from 2020	2022	+/- from 2021	+/- from 2020
You felt this was not a big deal	52%	+1*	-10	47%*	-2*	-2*
You felt embarrassed and worried of being judged	35%	+9*	+12	35%*	+7*	+18*
You felt like you were to blame or partly to blame for the situation	17%	+1*	+2	17%*	-7*	+5*
You worried about police or law enforcement getting involved	16%	+4*	+1	20%*	+3*	+1*
You worried about not being allowed to use a platform	16%	+4*	+1	14%*	+2*	-5*
You worried about being in trouble with your family	16%	-5*	-3	21%*	-12*	-5*
You worried your report would not be anonymous	13%	+3*	-11	16%*	+4*	-7*
You worried about being in trouble with your school	10%	+8*	+5	12%*	+8*	+6*
You worried about getting bullied at school	10%	+8*	+5	12%*	+10*	+10*
You worried about losing friends	7%	0*	-1	9%*	+2*	0*

Note: \*Base size <100

Fig 19 | **Percentage of minors using online safety tools vs. seeking offline support**  
 Among minors who have had...

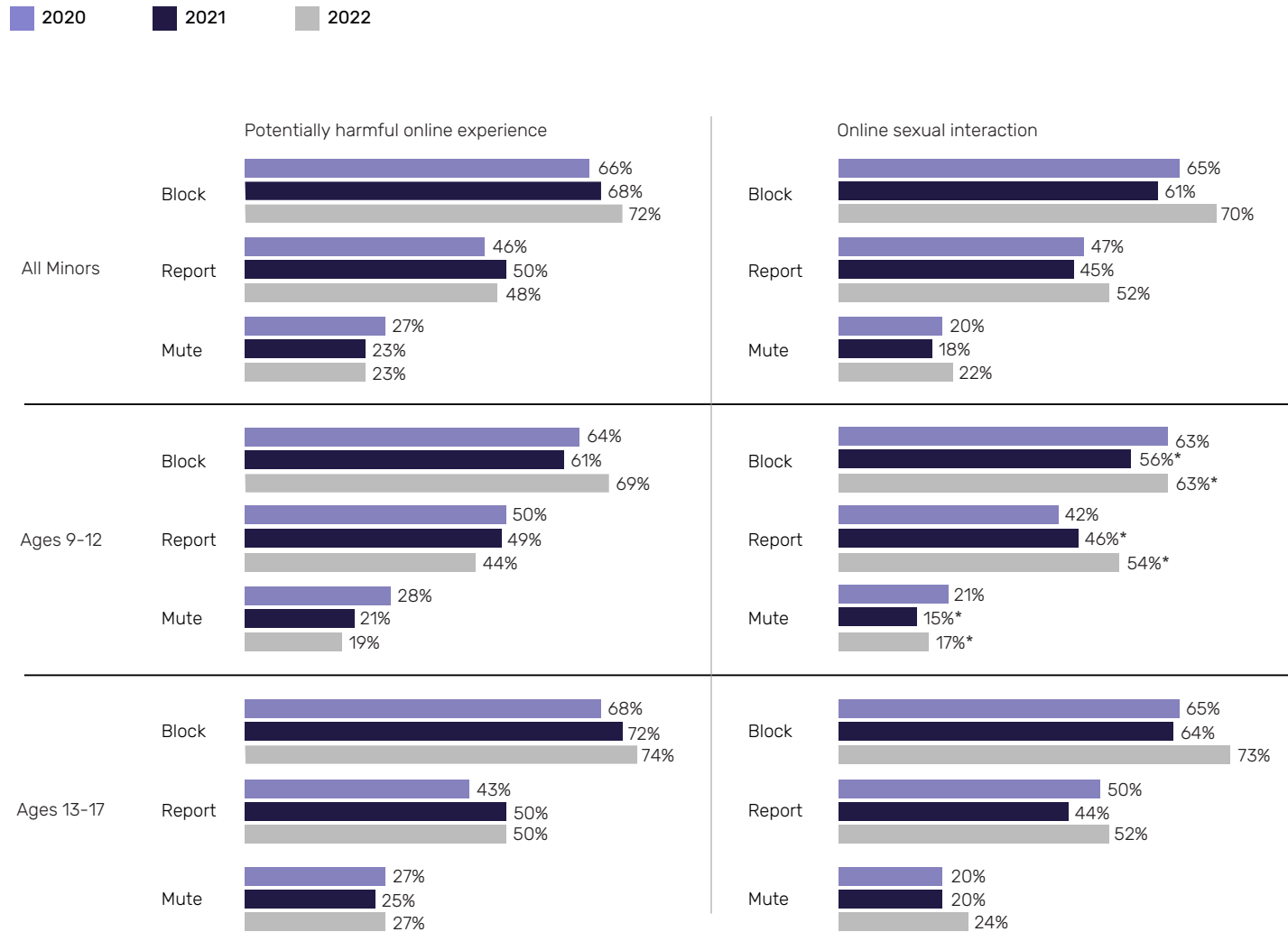
Q21A. You indicated that you have experienced the following. For each, when this happened to you, which of the following did you do in response?



Note: Question was multiple select. "Online tools" reflects the net percentage of minors who selected "Block the person", "Report the person to the platform," or "Mute the person." "Offline support" reflects the net percentage of minors who selected "Tell a friend what happened" or "Tell a parent, caregiver, or other trusted adult what happened." \*Base size <100

Fig 20 | **Minors' use of online safety tools, by tool type**  
Among minors who have had...

Q21A. You indicated that you have experienced the following. For each, when this happened to you, which of the following did you do in response?



Note: Question was multiple select. \*Base size <100

**NEW**

**Fig 21 | Who kids trust**

Q11. How much do you agree or disagree with each of the following statements?

	I can trust my friends who I know in real life	I can trust my friends who I only know online
All Minors	64%	22%
Ages 9-12	62%	22%
Ages 13-17	65%	22%
LGBTQ+	62%	30%
Non-LGBTQ+	64%	21%
African American	57%	23%
Hispanic/Latino	64%	24%
Other POC	53%	17%
White	68%	23%

Note: Participants were asked to rate their level of agreement with the given statement on a scale of 1-7, with 1 being “completely disagree” and 7 being “completely agree”. Values shown represent the percentage of respondents who strongly agreed (i.e., net 6-7).

**Fig 23 | Desired platform resources and actions as expressed by minors**

Q32. Thinking about the platforms you use, would you want them to provide you with any of the following when you use the platform?

	2022
Information on how to report people	53%
Information on how to block people	54%
Information on how to protect yourself online from uncomfortable or risky sexual experiences	49%
Tutorial videos on how to report or block someone	40%
Pop-up messages that check in on how safe you feel on their platform	39%
Support or counseling if you've had a bad experience on their platform	31%
None of the above	17%

Note: Columns will total more than 100 because the question was multiple select.

**Fig 22 | What makes minors more likely to use online reporting tools**

Q30. Regardless of the specific situation, if another user on a platform did something that made you feel uncomfortable or unsafe, would knowing the following make you more or less likely to report them to the platform?

	2022	+/- from 2021	+/- from 2020
Report would be anonymous	78%	+3	+10
Report would be evaluated and responded to by a real human being who works for the platform	69%	-2	+1
Believe the person is lying about who they are or their identity in some way	67%	0	+6
Only know the person online	66%	+5	+5
Report would go to an independent organization for review	54%	0	-1
Know the person offline/in real life	42%	0	+2
Report would be evaluated and responded to by an artificial intelligence program or bot	38%	-2	-1
The reported user would know you were the one who reported them	34%	0	-3
Possibility of being kicked off of the platform in response	34%	-3	0

Note: Numbers reflect net percentage of minors who selected “much more likely” or “somewhat more likely.”

# Discussion

The value of digital life today for youth is undeniable, but so too are the ever-evolving risks kids face within their digital environments. It is essential that we understand the totality and nuance of the risks kids face online in order to develop systems that can protect them effectively.

Thorn's annual monitoring research is an enabler to that understanding; it facilitates the continued observation of the online sexual risk landscape over time. Since initiating data collection in 2019, some areas of concern have persisted and some new concerns have emerged. As we continue to build and refine our understanding of this issue, these emerging insights illuminate some of the vulnerabilities we must work to protect and provide direction in developing tools and systems to support them.

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## Boys continue to demonstrate areas of increased risk around SG-CSAM compared to other kids.

Each year, minor boys have continued to reshare others' content at higher rates than their peers. In 2022, 1 in 5 (19%) of minor boys reported having re-shared someone else's SG-CSAM (Fig 24).

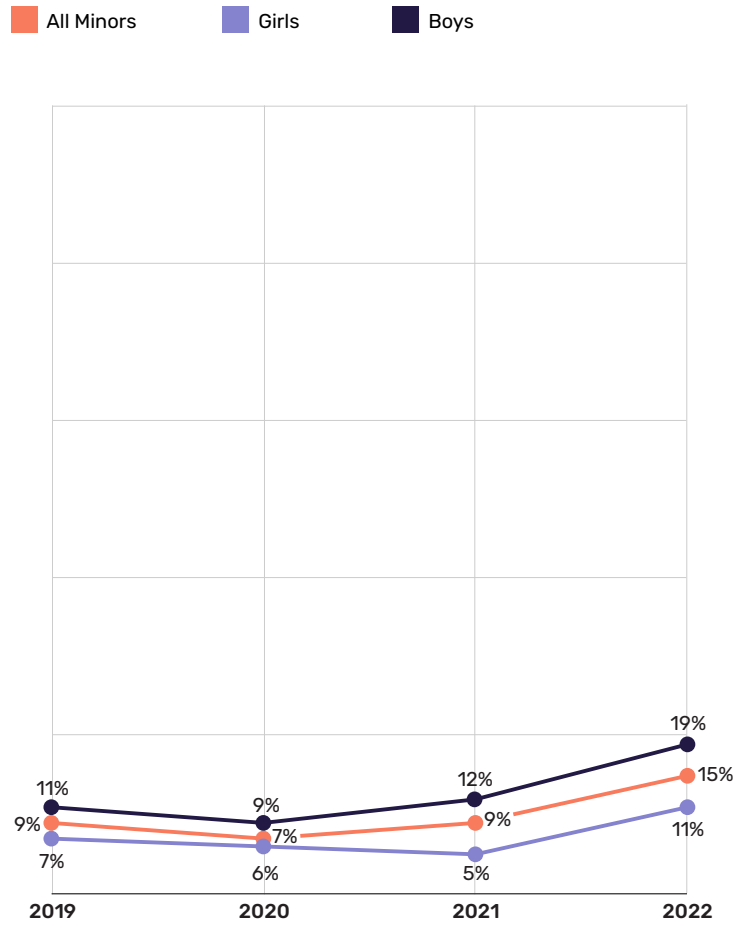
Encouragingly, the rate at which boys are sharing their own SG-CSAM has started to drop; boys and girls are now reporting sharing SG-CSAM at closer rates. In 2022, 16% of minor boys reported having shared their own SG-CSAM, representing a notable drop from 22% in 2021 (Fig 25). This dip appears to be part of a larger trend in minor SG-CSAM sharing rates,

which dropped across demographics in 2022, however remain at or above levels observed in 2019.

As we continue to improve the onset, frequency, and quality of conversations relating to online risks, we need to ensure we're meeting all young people where they are in a way that resonates with their attitudes and needs.

Fig 24 | Experiences resharing SG-CSAM, by gender

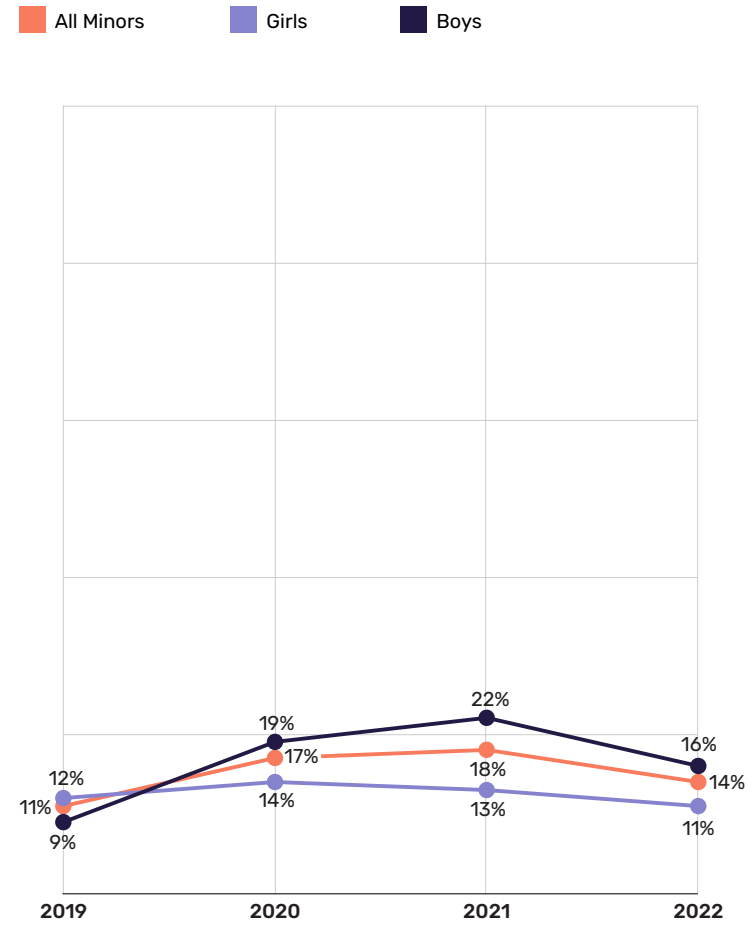
Q50. Have you ever shared a nude photo or video of someone else without that person's knowledge online?



Note: Values reflect the percentage of respondents that selected "Yes".

Fig 25 | Experiences sharing SG-CSAM, by gender

Q40X. Have you ever sent or shared a nude photo or video of yourself either directly with someone else or with your social media followers?



Note: Numbers shown reflect the percentage of minors who reported they have shared their own nude imagery.



## The sharing of SG-CSAM is becoming a normal part of offline romantic relationships for young people.

Although 2022 revealed a minor decrease in the overall rate of SG-CSAM production, there was a significant increase in SG-CSAM behaviors within offline romantic relationships.

More than 2 in 3 minors (69%) that have shared their own SG-CSAM with someone they knew offline said it was with a boyfriend or girlfriend, up from just over half (54%) in 2021 (Fig 26).

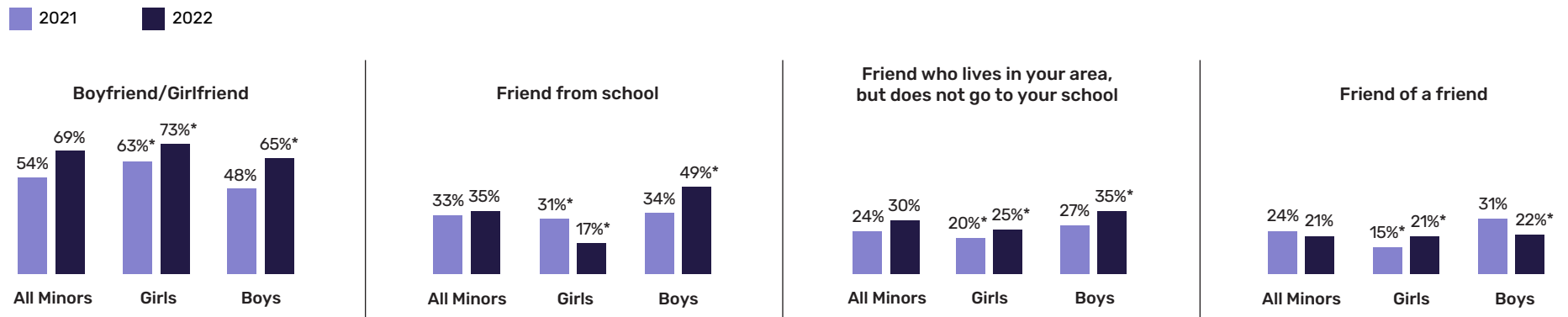
Girls remain the most likely to report sharing SG-CSAM with a boyfriend or girlfriend, with 3 in 4 (73%) reporting they had done so in 2022, up from just under 2 in 3 (63%) in 2021. While minor boys were less likely to share SG-CSAM with a romantic partner (65%), the increase in rates from 2021 (+17%) was more dramatic than it was among minor girls (+10%) (Fig 26).

As with all parts of our lives, technology now plays a role in romantic relationships and sexual exploration for many, including young people. With the normalization of SG-CSAM sharing in romantic relationships, it is even more critical that we fold online safety into normal coming of age conversations. Safeguarding young people as they navigate sexual development in a digital age means equipping them with the understanding and awareness of the risks associated with online sexual encounters – as well as the tools to respond effectively. Conversations should not just focus on “just don’t do it”. They must occur early, must be clear in the risks and how to navigate them, and must include an open and judgment-free door for support should risk turn to danger.

Fig 26 | **Minors’ relationship type with those who they know in person and with whom they have shared nudes**

Among minors who shared their own nudes with someone they’ve met in person

Q45. Thinking about the nude photo(s)/video(s) you have shared with someone you know in person, which of the following best describes your relationship with that person?



Note: Question was multiple select. Data for the response option “Other” is not shown due to low response rates. \*Base size is <100

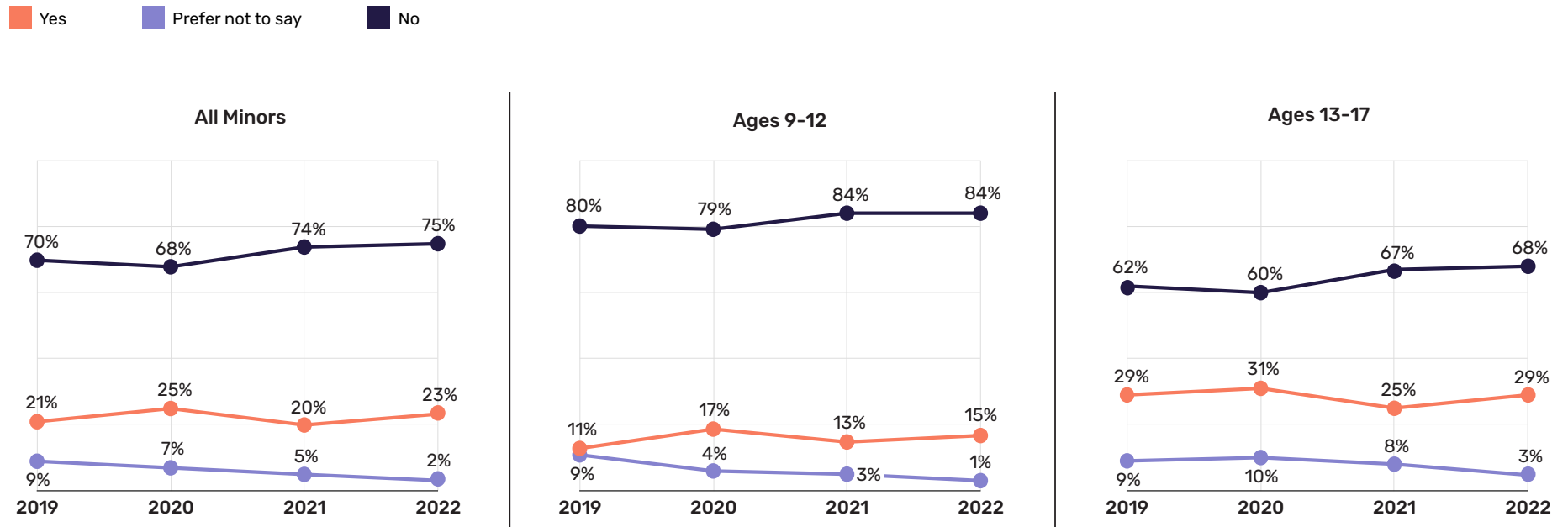
## Youth attitudes related to the nonconsensual resharing of nude imagery may be relaxing, and possibly indicative of normalization of nonconsensual resharing behaviors.

Over the course of monitoring, fewer minors have selected “prefer not to say” when asked if they had nonconsensually reshared another child’s SG-CSAM (-6% from 2019) (Fig 27) or if they had seen nonconsensually reshared SG-CSAM (-7% from 2019) (Fig 28). While this doesn’t directly demonstrate a shift in the number of young people participating in nonconsensual resharing behaviors, it does suggest that young people are becoming more comfortable disclosing their experiences with nonconsensually reshared imagery.

In 2022, there was a significant increase (+24%) among minors who nonconsensually reshared another person’s photo who self-reported that “nothing happened” as a result of their actions (Fig 29). While this seeming increase represents an immediate area of concern it’s essential to highlight that a selection of “nothing happened” does not exclusively reference that nothing negative happened (e.g., getting in trouble). For instance, in 2022, fewer minors indicated that their friends got mad at them for the nonconsensual reshare (-18%), fewer minors indicated that

Fig 27 | Experiences having seen nonconsensually reshared SG-CSAM, by year

Q49. Have you ever been shown or sent a nude photo or video of someone at your school or someone else your age in your community without that person’s knowledge?



their friends thought it funny (-17%), and fewer minors indicated that the person in the photo they shared found out (-19%) (Fig 29). Collectively, these decreases in youth experiences related to nonconsensually reshared content may suggest an increased normalization of young people participating in nonconsensual resharing.

While some youth experiences with sharing nudes may begin as consensual – shared with a boyfriend/girlfriend – serious harms immediately emerge the moment the imagery is nonconsensually redistributed. Each subsequent person involved in the imagery’s redistribution either actively, by resharing the content and contributing

to its continued distribution, or passively, by receiving and viewing the content, represents a point of possible intervention and reduction of harm along an otherwise endless chain. The potential value of informed peer support as a protective factor to youth is immense. Both wide scale and grassroots activation strategies for engaging youth in ways that build not only their individual resilience to online threats, but also their resilience as a component of a wider peer support network represents, at present, an area of vital need. These peer-focused intervention strategies should help youth to establish and reinforce healthy attitudes on sharing and resharing that position consent, empathy, and respect as their centerpiece.

Fig 28 | Experiences resharing SG-CSAM, by year

Q50. Have you ever shared a nude photo or video of someone else without that person’s knowledge online?

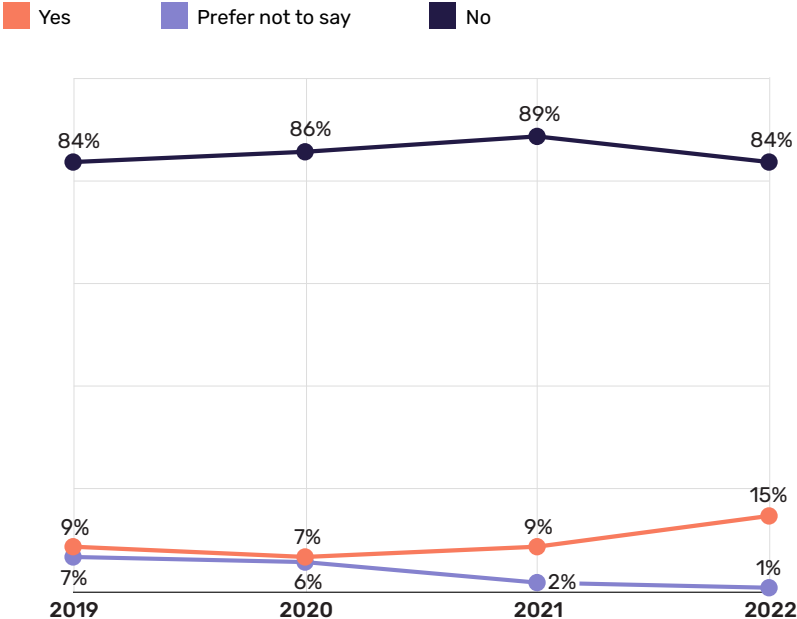


Fig 29 | Consequences of resharing someone else’s nudes

Among minors who’ve nonconsensually reshared  
 Q50A. After you re-shared a nude photo or video of someone else without that person’s knowledge online, which, if any, of the following happened?

	2022	+/- from 2021	+/- from 2019
Nothing happened	33%	+24	+1*
You regretted sending it	18%	-8	-2*
You got in trouble with your parents or caregivers	18%	-5	+10*
Your friends thought it was funny	17%	-17	+5*
You felt bad for the person in the photo or video	17%	-3	-2*
The person in the photo or video felt bad	16%	-4	+1*
The person in the photo or video found out	15%	-19	+2*
You got in trouble at school	11%	-16	-1*
You got in trouble with the police	11%	-10	+3*
Your friends got mad at you	10%	-18	-5*

Note: Columns will total more than 100 because question was multiple select. \*Base size is <100

Online spaces provide valuable opportunities for young people to explore and connect, but they also pose very real risks. Continued data collection and analysis related to these topics remains vital to delivering successful interventions that safeguard, support, and empower young people as they navigate their evolving digital experiences.

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## Methodology & Research Design

Research into youth experiences online continues to present unique challenges within an ever-changing digital environment. Survey authors have included here a brief discussion of some of these challenges and their corresponding mitigation strategies.

### Challenges

**CHALLENGE:** The issues and risks associated with online child sexual exploitation exist within a dynamic online environment where the technologies and platforms intersecting with this issue area are in constant flux, as are the habits of the kids who use them.

**Action:** *This research relies on dynamic social research methodologies, which enable faster collection and analysis of data, to ensure it best reflects the current digital landscape. Because design limitations restrict the number of platforms shown to participants, this survey includes a diverse but non-exhaustive list of platforms, with top priority given to social platforms. The final list is informed by historical research, external reports, and expert consultation, and is reevaluated for the needs of each individual survey.*

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**CHALLENGE:** Attitudes towards sexuality vary widely across demographics.

**Action:** *This is a universal issue, but the way it impacts kids differs across demographics. This research aims to identify trends among kids overall, as well as within some significant subgroups – such as age and gender groups. A secondary objective was to get a broad understanding of how trends around this issue manifest differently across demographics. To this end, enhanced quotas were used in 2022 and 2021 to ensure large enough base sizes of 9-17-year-olds of color for analysis. Nevertheless, given sample size limitations, some of the data points within subgroups are more appropriately viewed as starting points.*

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**CHALLENGE:** Entrenched stigma and sensitivity surrounding the topic may lead to an undercounting of the scale and frequency.

**Action:** *Asking individuals – especially kids – to open up about a subject as delicate and personal as sharing nude images of*

*themselves likely activates self-report bias, where participants lean into more socially desirable responses. It also requires the design of survey instruments that are safe and supportive. Sequence was important in our research instruments: each sensitive question was prefaced with a note acknowledging the potential difficulty of discussing the topic and reiterating the anonymity of the responses. Questions were also written in a manner that gave the space or permission for individuals to answer generally about “people they know” in lieu of exclusively asking respondents point-blank about their own online experiences. Resources for additional information and referrals for real-time support were highlighted in all survey instruments.*

## Research Design

This research represents a continuation of Thorn’s initial research originally performed in 2019<sup>5</sup> and refielded annually thereafter. It presents the results of a quantitative survey tool to collect self-reported data from minors aged 9–17.<sup>6</sup>

### QUANTITATIVE ONLINE SURVEY

As in previous years, in 2022, the research was designed to identify and monitor changes in minors’ behaviors and attitudes related to SG-CSAM as well as their perceptions and behaviors related to harmful online experiences compared to data collected in prior years.

In total, 1,142 minors from across the United States participated in an 18-minute online survey from November 4 to December 11, 2022. Specifically, sample makeup included:

- n=389 9–12-year-olds
- n=753 13–17-year-olds

As in 2021, the 2022 research cohort<sup>7</sup> incorporated an increased recruitment of minor participants who identified as persons of color. The subsequent racial and ethnic breakdown of participants in 2022 was:

- n=462: White
- n= 680: Persons of color (POC) (e.g., total respondents that identified as a racial or ethnic group other than “white”)
  - n=295: African American/Black/Caribbean American
  - n=269: Hispanic or Latino
  - n=177 Other POC
    - n=112: Asian or Pacific Islander
    - n=51: Native American or American Indian
    - n=5: Middle Eastern
    - n=15: Other

To ensure a representative sample nationwide, data was weighted to age, gender, race, and geography, based on U.S. Census data.

<sup>5</sup> A complete index of the youth focused research that contributes to our annual monitoring portfolio can be found at the end of the report.

<sup>6</sup> In the context of this report, and unless otherwise noted, the term “minors” is used to describe young people represented in the survey sample (9–17 year olds).

<sup>7</sup> Base sizes for racial and ethnic subgroups will not add up to the total base size of n=1,142 because some participants identified as multiple racial or ethnic identities.

## Results and Reporting

Due to rounding, many of the figures included in this report may not have columns or rows that add up to exactly 100 percent. Some questions also featured multi-select response options, which have been noted.

## Privacy and Safety

Ensuring the privacy and safety of those who chose to participate in this research was paramount. All participant responses were anonymized.

Minor participants were recruited via existing youth panels or directly through caregivers at the time of this survey. Caregiver consent was required for minors' participation in youth panels, as well as for those minors recruited directly for the survey. In addition, help resources were provided to participants in the event they wanted to learn more about the topics discussed or needed professional support to talk about these issues.

### Timeline of Related Reports

Below is a complete timeline of prior research that feeds into our Youth Perspectives report.



# Annex

The data provided in this section serves to supplement data contained within the report. These tables include more detailed views including year-to-year results and additional demographic groups.

Fig a-01 | Platform usage rates, by year - ever used

Q14B. How often do you use/check/play each of the following?

	All Minors				Ages 9-12				Ages 13-17			
	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022
Amino	-	10%	6%	5%	-	8%	4%	4%	-	11%	7%	6%
Among Us	-	43%	43%	49%	-	23%	44%	52%	-	59%	42%	46%
BeReal	-	-	-	11%	-	-	-	6%	-	-	-	15%
Byte	-	5%	4%	7%	-	5%	4%	5%	-	4%	4%	9%
Call of Duty	-	48%	52%	62%	-	45%	48%	56%	-	51%	55%	66%
Chatroulette	-	-	4%	5%	-	-	5%	5%	-	-	4%	5%
Discord	32%	34%	34%	46%	23%	20%	24%	36%	39%	45%	43%	55%
Facebook	55%	62%	61%	67%	51%	66%	52%	53%	58%	60%	67%	78%
Fortnite	52%	47%	57%	71%	60%	47%	61%	72%	45%	47%	54%	69%
Google Hangouts/ Google Meet	26%	64%	51%	49%	21%	63%	47%	37%	30%	65%	54%	59%
GTA	47%	39%	44%	54%	45%	36%	40%	48%	48%	42%	47%	60%
Instagram	68%	76%	66%	69%	56%	65%	49%	51%	77%	85%	79%	84%
Kik	18%	14%	13%	19%	18%	11%	10%	14%	17%	16%	15%	22%
Live.me	-	-	7%	8%	-	-	6%	5%	-	-	7%	11%
Marco Polo	18%	10%	10%	11%	23%	12%	11%	9%	14%	8%	9%	12%
Messenger	52%	62%	64%	68%	51%	69%	61%	60%	53%	56%	66%	75%
Minecraft	-	62%	71%	80%	-	57%	72%	80%	-	65%	70%	80%
Monkey	17%	7%	6%	6%	17%	7%	6%	3%	16%	8%	6%	7%
Omegle	-	-	13%	15%	-	-	9%	11%	-	-	17%	17%
Reddit	32%	32%	34%	44%	24%	20%	26%	30%	38%	41%	41%	55%
Roblox	-	47%	59%	72%	-	42%	66%	76%	-	50%	54%	69%
Signal	12%	2%	5%	8%	12%	3%	6%	6%	12%	2%	5%	9%
Snapchat	68%	71%	68%	68%	61%	67%	58%	54%	73%	74%	77%	80%
Tagged	-	4%	5%	8%	-	5%	5%	7%	-	3%	5%	10%
Telegram	13%	11%	13%	20%	13%	17%	13%	15%	13%	7%	14%	23%
TikTok	52%	69%	75%	82%	55%	66%	69%	74%	49%	71%	80%	88%
Tor/Onion Browser	-	-	-	5%	-	-	-	3%	-	-	-	6%
Triller	-	7%	6%	8%	-	8%	5%	7%	-	7%	7%	10%
Tumblr	25%	40%	34%	36%	21%	45%	27%	26%	28%	36%	39%	43%
Twitch	30%	36%	33%	44%	28%	30%	25%	35%	32%	41%	39%	51%
Twitter	41%	59%	51%	52%	28%	56%	39%	35%	50%	62%	61%	66%
VSCO	18%	12%	8%	7%	15%	8%	6%	7%	20%	15%	10%	8%
WhatsApp	27%	47%	44%	46%	23%	55%	39%	33%	30%	40%	47%	57%
Whisper	-	4%	5%	7%	-	5%	5%	4%	-	4%	4%	9%
Wickr	-	-	4%	5%	-	-	4%	4%	-	-	4%	6%
Wink	-	5%	5%	8%	-	6%	6%	6%	-	5%	4%	9%
Wishbone	-	-	7%	6%	-	-	5%	5%	-	-	8%	7%
YouNow	-	7%	6%	7%	-	10%	6%	5%	-	5%	5%	8%
YouTube	95%	97%	98%	98%	94%	98%	97%	97%	96%	97%	98%	99%
Yubo	-	-	7%	6%	-	-	5%	5%	-	-	9%	6%



Fig a-02 | Platform usage rates, by year - at least once per day

Q14B. How often do you use/check/play each of the following?

	All Minors				Ages 9-12				Ages 13-17			
	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022
Amino	-	3%	2%	1%	-	4%	2%	0%	-	3%	2%	2%
Among Us	-	23%	10%	12%	-	13%	13%	14%	-	31%	7%	11%
BeReal	-	-	-	5%	-	-	-	3%	-	-	-	7%
Byte	-	1%	2%	3%	-	1%	1%	1%	-	1%	2%	4%
Call of Duty	-	18%	15%	24%	-	20%	14%	20%	-	16%	15%	27%
Chatroulette	-	-	1%	1%	-	-	1%	1%	-	-	1%	1%
Discord	14%	19%	17%	23%	10%	12%	12%	16%	18%	25%	20%	28%
Facebook	29%	36%	36%	42%	29%	45%	32%	29%	29%	28%	39%	52%
Fortnite	23%	17%	19%	29%	31%	22%	23%	33%	16%	13%	16%	26%
Google Hangouts/ Google Meet	8%	33%	17%	17%	8%	36%	16%	11%	9%	30%	18%	22%
GTA	14%	12%	12%	18%	15%	14%	11%	17%	13%	11%	13%	20%
Instagram	46%	50%	42%	44%	34%	40%	26%	29%	55%	59%	55%	57%
Kik	5%	4%	3%	6%	7%	5%	3%	4%	3%	3%	3%	6%
Live.me	-	-	2%	4%	-	-	2%	2%	-	-	2%	5%
Marco Polo	3%	2%	3%	2%	4%	3%	4%	2%	3%	1%	3%	2%
Messenger	27%	32%	34%	39%	27%	38%	32%	30%	26%	27%	36%	46%
Minecraft	-	20%	25%	29%	-	23%	30%	33%	-	17%	21%	26%
Monkey	4%	2%	2%	1%	6%	2%	3%	1%	3%	2%	2%	2%
Omegle	-	-	4%	4%	-	-	4%	4%	-	-	4%	5%
Reddit	11%	10%	10%	14%	12%	8%	9%	9%	11%	12%	10%	18%
Roblox	-	17%	25%	36%	-	22%	35%	47%	-	13%	17%	28%
Signal	5%	1%	2%	2%	3%	2%	3%	1%	6%	1%	2%	3%
Snapchat	48%	47%	42%	45%	41%	40%	29%	31%	54%	52%	52%	55%
Tagged	-	1%	2%	3%	-	2%	2%	2%	-	0%	2%	3%
Telegram	4%	6%	6%	9%	4%	10%	5%	8%	4%	3%	7%	10%
TikTok	30%	45%	53%	62%	33%	41%	45%	56%	28%	49%	59%	66%
Tor/Onion Browser	-	-	-	2%	-	-	-	2%	-	-	-	2%
Triller	-	2%	3%	2%	-	2%	2%	2%	-	2%	3%	3%
Tumblr	8%	13%	11%	11%	7%	18%	10%	10%	8%	9%	12%	12%
Twitch	10%	14%	10%	17%	12%	14%	7%	14%	9%	14%	11%	20%
Twitter	18%	28%	24%	25%	14%	30%	19%	17%	22%	27%	29%	31%
VSCO	6%	3%	3%	3%	5%	2%	2%	3%	6%	4%	3%	2%
WhatsApp	12%	26%	20%	20%	11%	39%	20%	14%	14%	16%	20%	26%
Whisper	-	1%	2%	3%	-	1%	3%	2%	-	1%	2%	3%
Wickr	-	-	1%	2%	-	-	2%	1%	-	-	1%	2%
Wink	-	2%	2%	3%	-	2%	2%	4%	-	2%	2%	2%
Wishbone	-	-	2%	1%	-	-	2%	1%	-	-	2%	1%
YouNow	-	3%	2%	2%	-	5%	2%	1%	-	1%	1%	2%
YouTube	79%	80%	79%	83%	79%	78%	78%	84%	78%	81%	79%	82%
Yubo	-	-	2%	1%	-	-	2%	1%	-	-	2%	2%

Fig a-03 | Platform usage rates among minors with SG-CSAM experiences - at least once per day

Q14B. How often do you use/check/play each of the following?

	2020			2021			2022		
	Shared	Shown	Reshared	Shared	Shown	Reshared	Shared	Shown	Reshared
Amino	2%	3%	2%*	5%	5%	9%	5%	2%	4%
Among Us	21%	33%	21%*	14%	14%	11%	13%	11%	14%
BeReal	-	-	-	-	-	-	7%	7%	7%
Byte	2%	2%	3%*	7%	3%	9%	7%	5%	7%
Call of Duty	22%	23%	26%*	19%	19%	17%	42%	33%	37%
Chatroulette	-	-	-	7%	6%	11%	3%	1%	3%
Discord	19%	22%	19%*	19%	24%	21%	40%	28%	34%
Facebook	50%	45%	62%*	62%	53%	68%	67%	53%	56%
Fortnite	14%	20%	18%*	18%	20%	20%	35%	31%	33%
Google Hangouts/ Google Meet	44%	45%	60%*	40%	29%	53%	34%	24%	26%
GTA	21%	22%	23%*	16%	14%	17%	33%	26%	26%
Instagram	65%	67%	71%*	65%	62%	64%	74%	58%	56%
Kik	7%	6%	7%*	8%	6%	11%	12%	12%	10%
Live.me	-	-	-	6%	4%	8%	6%	5%	6%
Marco Polo	6%	3%	7%*	10%	6%	12%	3%	1%	4%
Messenger	47%	40%	63%*	61%	50%	69%	66%	52%	54%
Minecraft	14%	19%	11%*	23%	17%	25%	32%	27%	38%
Monkey	4%	3%	4%*	5%	6%	9%	5%	2%	3%
Omegle	-	-	-	12%	10%	18%	8%	6%	5%
OnlyFans	4%	4%	4%*	11%	9%	15%	-	-	-
Reddit	18%	17%	24%*	16%	13%	18%	34%	23%	26%
Roblox	10%	16%	20%*	16%	19%	13%	34%	30%	38%
Signal	4%	1%	3%*	7%	5%	13%	8%	4%	4%
Slack	3%	3%	5%*	9%	5%	12%	-	-	-
Snapchat	71%	64%	72%*	62%	61%	64%	65%	60%	55%
Tagged	3%	2%	3%*	6%	4%	11%	6%	4%	3%
Telegram	12%	7%	11%*	15%	11%	21%	25%	18%	23%
TikTok	60%	58%	62%*	66%	72%	70%	77%	70%	70%
Tor/Onion Browser	-	-	-	-	-	-	7%	4%	7%
Triller	7%	3%	6%*	10%	8%	12%	6%	4%	7%
Tumblr	26%	18%	37%*	36%	24%	51%	26%	17%	24%
Twitch	20%	25%	21%*	15%	14%	16%	35%	24%	28%
Twitter	41%	33%	53%*	55%	45%	62%	48%	34%	38%
VSCO	7%	7%	6%*	9%	8%	14%	8%	5%	5%
WhatsApp	39%	30%	53%*	45%	35%	53%	50%	29%	35%
Whisper	3%	4%	6%*	8%	8%	15%	8%	4%	6%
Wickr	-	-	-	6%	4%	9%	4%	3%	5%
Wink	5%	4%	3%*	6%	5%	9%	8%	4%	9%
Wishbone	-	-	-	5%	3%	9%	2%	1%	4%
YouNow	3%	4%	9%*	11%	7%	17%	4%	3%	6%
YouTube	78%	85%	88%*	75%	78%	72%	82%	80%	82%
Yubo	-	-	-	7%	5%	12%	5%	2%	6%

Note: \*Base size <100

Fig a-04 | Use of secondary accounts, by year

Q17. Some people have a “finsta”— or multiple accounts on one social network so that they can share some stuff more privately. Across the social media platforms or apps that you use, do you have a second private account that allows you to share content without certain people such as your parents, family, or people at school seeing it?

		2019	2020	2021	2022
<b>All Minors</b>	Yes	23%	27%	22%	27%
	Prefer not to say	11%	7%	6%	3%
	No	66%	66%	72%	71%
<b>Ages 9-12</b>	Yes	14%	25%	16%	18%
	Prefer not to say	11%	2%	3%	1%
	No	75%	73%	81%	80%
<b>Girls</b>	Yes	15%	21%	16%	15%
	Prefer not to say	10%	1%	4%	2%
	No	75%	78%	80%	83%
<b>Boys</b>	Yes	13%	28%	16%	21%
	Prefer not to say	11%	4%	2%	1%
	No	77%	68%	82%	78%
<b>Ages 13-17</b>	Yes	29%	30%	27%	34%
	Prefer not to say	11%	11%	8%	3%
	No	60%	60%	65%	63%
<b>Girls</b>	Yes	38%	32%	25%	31%
	Prefer not to say	10%	10%	9%	4%
	No	52%	58%	67%	65%
<b>Boys</b>	Yes	21%	27%	28%	34%
	Prefer not to say	13%	10%	6%	3%
	No	67%	63%	65%	64%
<b>LGBTQ+</b>	Yes	37%	36%	28%	43%
	Prefer not to say	16%	9%	11%	4%
	No	46%	55%	61%	52%
<b>Non-LGBTQ+</b>	Yes	19%	25%	20%	24%
	Prefer not to say	9%	5%	4%	2%
	No	71%	69%	75%	73%
<b>African American</b>	Yes	22%	28%	24%	29%
	Prefer not to say	10%	5%	2%	3%
	No	67%	66%	74%	68%
<b>Hispanic/Latino</b>	Yes	23%	29%	29%	32%
	Prefer not to say	15%	5%	7%	4%
	No	62%	66%	65%	64%
<b>Other POC</b>	Yes	28%*	29%	22%	23%
	Prefer not to say	12%*	11%	6%	4%
	No	60%*	60%	72%	73%
<b>White</b>	Yes	21%	26%	18%	26%
	Prefer not to say	8%	7%	6%	2%
	No	72%	66%	76%	72%

Note: \*Base size <100

Fig a-05 | Rates of potentially harmful online experiences among minors, by year and demographics

Q19B. Please indicate if you have ever experienced any of the following on a platform. Please select all that apply and remember that your answers are anonymous.

	Potentially harmful online experience			Bullied/made uncomfortable online			...bullied me			...made me feel uncomfortable		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
All Minors	48%	49%	58%	38%	39%	51%	24%	27%	37%	27%	28%	36%
Girls	50%	50%	56%	42%	41%	51%	27%	27%	36%	30%	30%	38%
Boys	43%	48%	58%	30%	37%	49%	21%	27%	39%	20%	24%	32%
Ages 9-12	47%	44%	55%	38%	36%	48%	28%	26%	41%	22%	22%	28%
Girls	46%	41%	50%	38%	32%	44%	29%	22%	35%	19%	20%	28%
Boys	48%	46%	59%	36%	38%	51%	26%	27%	46%	24%	22%	28%
Ages 13-17	49%	53%	60%	38%	42%	53%	22%	28%	34%	30%	32%	42%
Girls	54%	58%	61%	46%	48%	56%	24%	30%	36%	39%	39%	46%
Boys	40%	49%	57%	25%	37%	47%	16%	26%	33%	16%	25%	35%
LGBTQ+	57%	62%	73%	45%	54%	67%	29%	32%	45%	34%	45%	55%
Non-LGBTQ+	46%	46%	55%	37%	36%	47%	24%	26%	35%	25%	24%	33%
African American	58%	53%	51%	39%	39%	41%	27%	28%	24%	20%	25%	35%
Hispanic/Latino	48%	53%	60%	36%	40%	52%	24%	29%	40%	27%	28%	36%
Other POC	36%	43%	51%	29%	39%	49%	23%	25%	32%	24%	35%	39%
White	50%	48%	63%	41%	39%	54%	25%	26%	43%	29%	27%	37%

	Online sexual interaction			...asked me to send a nude photo or video			...asked me to go 'on cam' with a nude or sexually explicit stream			...shared a nude photo or video of themselves with me		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
All Minors	33%	31%	33%	18%	16%	20%	12%	10%	13%	18%	14%	15%
Girls	34%	35%	32%	22%	20%	22%	14%	10%	14%	18%	16%	13%
Boys	29%	27%	32%	12%	11%	17%	9%	9%	13%	16%	11%	16%
Ages 9-12	27%	20%	22%	14%	10%	11%	8%	6%	10%	13%	9%	7%
Girls	26%	21%	20%	14%	10%	11%	10%	4%	9%	11%	11%	6%
Boys	27%	20%	24%	14%	10%	11%	6%	8%	12%	15%	7%	8%
Ages 13-17	37%	39%	41%	20%	21%	28%	15%	12%	15%	21%	17%	22%
Girls	41%	46%	41%	28%	28%	31%	16%	14%	17%	25%	20%	20%
Boys	31%	33%	39%	11%	13%	22%	12%	10%	14%	17%	14%	23%
LGBTQ+	42%	50%	52%	24%	27%	38%	19%	12%	19%	22%	27%	32%
Non-LGBTQ+	30%	26%	30%	16%	13%	17%	10%	9%	12%	17%	10%	13%
African American	37%	36%	35%	16%	19%	22%	12%	13%	19%	16%	13%	14%
Hispanic/Latino	33%	34%	36%	19%	15%	23%	12%	11%	15%	18%	18%	16%
Other POC	26%	32%	26%	14%	22%	21%	10%	8%	10%	17%	13%	14%
White	34%	28%	35%	20%	15%	21%	14%	8%	13%	18%	12%	17%

Fig a-05 continued | **Rates of potentially harmful online experiences among minors, by year and demographics**

Q19B. Please indicate if you have ever experienced any of the following on a platform. Please select all that apply and remember that your answers are anonymous.

	...shared a nude photo or video of another kid with me			...sent me sexual messages		
	2020	2021	2022	2020	2021	2022
<b>All Minors</b>	10%	9%	9%	21%	17%	25%
<b>Girls</b>	10%	10%	7%	25%	19%	26%
<b>Boys</b>	10%	8%	12%	15%	13%	23%
<b>Ages 9-12</b>	9%	6%	7%	15%	8%	15%
<b>Girls</b>	9%	7%	4%	16%	8%	15%
<b>Boys</b>	9%	6%	10%	13%	9%	16%
<b>Ages 13-17</b>	12%	11%	10%	26%	23%	33%
<b>Girls</b>	11%	12%	8%	32%	29%	34%
<b>Boys</b>	11%	11%	13%	17%	17%	29%
<b>LGBTQ+</b>	17%	15%	10%	32%	32%	48%
<b>Non-LGBTQ+</b>	9%	8%	9%	18%	13%	21%
<b>African American</b>	11%	12%	9%	22%	19%	26%
<b>Hispanic/Latino</b>	11%	9%	7%	21%	16%	27%
<b>Other POC</b>	8%	9%	6%	18%	20%	20%
<b>White</b>	12%	8%	11%	22%	17%	27%

Fig a-06 | Percentage of minors who have had an online sexual interaction with peers or adults, detailed

Q19B. Please indicate if you have ever experienced any of the following on a platform. Please select all that apply and remember that your answers are anonymous.

**SOMEONE I BELIEVED WAS 18 OR OLDER...**

	Online sexual interaction			...asked me to send a nude photo or video			...asked me to go 'on cam' with a nude or sexually explicit stream			...shared a nude photo or video of themselves with me		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
All Minors	25%	22%	29%	12%	9%	17%	9%	6%	11%	12%	10%	11%
Girls	26%	25%	28%	15%	11%	18%	10%	7%	12%	14%	12%	10%
Boys	22%	19%	28%	7%	7%	14%	6%	5%	11%	9%	6%	12%
Ages 9-12	19%	14%	19%	8%	4%	8%	5%	3%	9%	8%	6%	5%
Girls	16%	15%	18%	7%	3%	9%	6%	3%	9%	7%	8%	4%
Boys	21%	13%	20%	8%	4%	8%	3%	3%	10%	8%	5%	5%
Ages 13-17	29%	29%	37%	15%	14%	23%	12%	9%	13%	15%	13%	17%
Girls	34%	34%	36%	22%	16%	25%	13%	11%	15%	20%	16%	14%
Boys	23%	24%	34%	7%	9%	19%	9%	7%	11%	9%	8%	18%
LGBTQ+	32%	40%	45%	16%	17%	33%	15%	11%	16%	17%	22%	23%
Non-LGBTQ+	22%	18%	26%	10%	7%	14%	7%	5%	11%	10%	7%	10%
African American	25%	29%	33%	13%	13%	18%	9%	10%	18%	10%	10%	12%
Hispanic/Latino	27%	26%	33%	14%	11%	19%	10%	8%	14%	14%	12%	14%
Other POC	19%	24%	24%	9%	13%	18%	9%	4%	10%	10%	10%	12%
White	27%	19%	29%	13%	8%	16%	9%	5%	10%	11%	9%	11%

	...shared a nude photo or video of another kid with me			...sent me sexual messages		
	2020	2021	2022	2020	2021	2022
All Minors	6%	5%	6%	16%	11%	20%
Girls	6%	6%	4%	19%	12%	20%
Boys	6%	4%	9%	11%	10%	18%
Ages 9-12	5%	3%	6%	10%	4%	12%
Girls	3%	4%	2%	10%	3%	11%
Boys	6%	1%	9%	9%	6%	13%
Ages 13-17	7%	7%	6%	20%	16%	26%
Girls	8%	8%	5%	26%	18%	28%
Boys	5%	6%	8%	12%	13%	22%
LGBTQ+	10%	11%	5%	26%	23%	40%
Non-LGBTQ+	5%	4%	6%	13%	8%	17%
African American	5%	6%	5%	12%	15%	21%
Hispanic/Latino	5%	5%	6%	18%	12%	24%
Other POC	5%	5%	3%	16%	13%	19%
White	7%	5%	8%	16%	10%	21%

Fig a-06 continued | **Percentage of minors who have had an online sexual interaction with peers or adults, detailed**

Q19B. Please indicate if you have ever experienced any of the following on a platform. Please select all that apply and remember that your answers are anonymous.

**SOMEONE I BELIEVED WAS YOUNGER THAN 18...**

	Online sexual interaction			...asked me to send a nude photo or video			...asked me to go 'on cam' with a nude or sexually explicit stream			...shared a nude photo or video of themselves with me		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
All Minors	23%	22%	24%	11%	11%	14%	8%	5%	7%	10%	7%	10%
Girls	24%	26%	23%	15%	14%	15%	9%	5%	7%	10%	7%	8%
Boys	21%	19%	24%	7%	7%	12%	6%	5%	8%	10%	6%	11%
Ages 9-12	19%	16%	15%	8%	7%	6%	6%	4%	5%	7%	4%	3%
Girls	19%	16%	12%	10%	8%	4%	8%	3%	2%	6%	3%	2%
Boys	19%	17%	18%	7%	6%	7%	3%	5%	7%	8%	4%	5%
Ages 13-17	27%	27%	32%	14%	13%	20%	9%	6%	10%	13%	10%	14%
Girls	28%	34%	33%	19%	18%	23%	9%	7%	10%	13%	10%	13%
Boys	23%	21%	29%	6%	8%	15%	8%	6%	9%	12%	8%	15%
LGBTQ+	30%	34%	43%	17%	17%	30%	9%	5%	13%	11%	12%	22%
Non-LGBTQ+	22%	20%	21%	10%	9%	11%	7%	5%	7%	10%	6%	7%
African American	24%	25%	25%	8%	9%	15%	6%	6%	8%	9%	6%	7%
Hispanic/Latino	23%	24%	27%	11%	10%	16%	7%	4%	9%	9%	9%	10%
Other POC	20%	27%	19%	11%	16%	16%	7%	5%	7%	11%	5%	11%
White	25%	20%	27%	13%	10%	13%	9%	5%	8%	12%	7%	10%

	...shared a nude photo or video of another kid with me			...sent me sexual messages		
	2020	2021	2022	2020	2021	2022
All Minors	7%	6%	6%	13%	10%	17%
Girls	7%	7%	5%	16%	13%	17%
Boys	6%	6%	7%	9%	6%	15%
Ages 9-12	5%	5%	3%	9%	5%	8%
Girls	8%	4%	4%	10%	6%	8%
Boys	3%	6%	3%	6%	4%	8%
Ages 13-17	8%	7%	8%	17%	14%	23%
Girls	7%	9%	7%	20%	19%	23%
Boys	8%	6%	10%	11%	8%	20%
LGBTQ+	10%	9%	8%	21%	19%	35%
Non-LGBTQ+	6%	6%	6%	11%	8%	13%
African American	7%	8%	6%	15%	8%	17%
Hispanic/Latino	7%	5%	4%	15%	10%	17%
Other POC	7%	6%	5%	9%	11%	15%
White	7%	6%	8%	14%	11%	19%

Fig a-07 | Online sexual interactions involving both peers and adults by platform, by year

Q20. For each of the following platforms, please indicate if you have ever experienced any of the following.

	OF USERS WHO HAVE HAD						OF ALL MINORS WHO HAVE HAD					
	An online sexual interaction			An online sexual interaction w/ someone they thought was 18 or older			An online sexual interaction			An online sexual interaction w/ someone they thought was 18 or older		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
<b>Average</b>	<b>13%</b>	<b>14%</b>	<b>14%</b>	<b>8%</b>	<b>7%</b>	<b>9%</b>	<b>4%</b>	<b>4%</b>	<b>5%</b>	<b>2%</b>	<b>2%</b>	<b>3%</b>
Among us	6%	4%	6%	5%	2%	3%	3%	2%	3%	2%	1%	1%
BeReal	-	-	14%	-	-	9%	-	-	2%	-	-	1%
Call of Duty	11%	7%	9%	5%	3%	3%	5%	3%	5%	2%	1%	2%
Discord	14%	15%	17%	8%	8%	10%	5%	5%	8%	3%	3%	5%
Facebook	16%	20%	19%	10%	10%	13%	10%	12%	13%	6%	6%	9%
Fortnite	8%	7%	8%	5%	3%	4%	4%	4%	6%	2%	2%	3%
Google Hangouts/ Google Meet	15%	16%	14%	9%	8%	9%	9%	8%	7%	5%	4%	4%
Grand Theft Auto	10%	6%	10%	5%	3%	5%	4%	3%	6%	2%	1%	3%
Instagram	22%	20%	18%	13%	11%	11%	16%	13%	13%	9%	7%	8%
Kik	23%	26%	24%	14%	11%	14%	3%	3%	5%	2%	1%	3%
Marco Polo	17%	20%	15%	8%	9%	8%	1%	2%	2%	1%	1%	1%
Messenger	18%	20%	18%	10%	9%	13%	11%	12%	13%	6%	5%	9%
Minecraft	5%	5%	7%	3%	2%	3%	3%	3%	5%	2%	2%	3%
Omegle	-	37%	28%	-	22%	23%	-	5%	4%	-	3%	3%
Reddit	7%	11%	14%	4%	7%	11%	2%	4%	6%	1%	2%	5%
Roblox	5%	5%	8%	2%	3%	5%	3%	3%	6%	1%	2%	3%
Snapchat	23%	22%	21%	15%	10%	14%	16%	14%	15%	10%	7%	10%
Telegram	21%	19%	28%	14%	10%	18%	2%	2%	5%	1%	1%	3%
TikTok	14%	13%	12%	7%	5%	8%	9%	9%	10%	5%	4%	6%
Tumblr	20%	23%	18%	12%	11%	9%	7%	7%	6%	4%	4%	3%
Twitch	9%	9%	12%	4%	5%	6%	3%	3%	5%	2%	2%	3%
Twitter	15%	19%	19%	8%	8%	13%	9%	10%	10%	5%	4%	7%
WhatsApp	21%	20%	18%	11%	9%	9%	9%	8%	8%	5%	4%	4%
YouTube	9%	8%	8%	5%	3%	4%	9%	8%	7%	5%	3%	4%



**Fig a-08 | Potentially harmful online experiences, by platform**

Q20. For each of the following platforms, please indicate if you have ever experienced any of the following // Q14B. How often do you use/check/play each of the following?

	Minors who have ever used each platform			Minors who have had a potentially harmful online experience			Minors who have had an online sexual interaction		
	2020	2021	2022	2020	2021	2022	2020	2021	2022
Among us	43%	43%	49%	8%	6%	11%	3%	2%	3%
BeReal	-	-	11%	-	-	3%	-	-	2%
Call of Duty	48%	52%	62%	9%	9%	15%	5%	3%	5%
Discord	34%	34%	46%	7%	10%	14%	5%	5%	8%
Facebook	62%	61%	67%	17%	21%	24%	10%	12%	13%
Fortnite	47%	57%	71%	8%	11%	16%	3%	4%	6%
Google Hangouts/ Google Meet	64%	51%	49%	15%	14%	11%	9%	8%	7%
Grand Theft Auto	39%	44%	54%	6%	8%	11%	4%	3%	6%
Instagram	76%	66%	69%	26%	24%	24%	16%	13%	13%
Kik	14%	13%	19%	4%	4%	7%	2%	3%	5%
Marco Polo	10%	10%	11%	2%	2%	2%	1%	2%	2%
Messenger	62%	64%	68%	18%	22%	21%	11%	12%	13%
Minecraft	62%	71%	80%	10%	11%	14%	3%	3%	5%
Omegle	-	14%	15%	-	7%	6%	-	5%	4%
Reddit	32%	34%	44%	4%	6%	11%	2%	4%	6%
Roblox	47%	59%	72%	9%	12%	18%	3%	3%	6%
Snapchat	71%	68%	68%	26%	23%	24%	16%	14%	15%
Telegram	11%	13%	20%	5%	4%	8%	2%	2%	5%
TikTok	69%	75%	82%	18%	19%	22%	9%	9%	10%
Tumblr	40%	34%	36%	11%	12%	11%	7%	7%	6%
Twitch	36%	33%	44%	6%	6%	11%	3%	3%	5%
Twitter	59%	51%	52%	16%	17%	17%	9%	10%	10%
WhatsApp	47%	44%	46%	15%	13%	13%	9%	8%	8%
YouTube	97%	98%	98%	19%	17%	18%	9%	8%	7%

Note: Question was multiple select. Percentages of those who had a potentially harmful online experience and those who had an online sexual interaction are among all participants, not users of each platform.

Fig a-09 | Experiences sharing SG-CSAM, by year

Q40X: Have you ever sent or shared a nude photo or video of yourself either directly with someone else or with your social media followers?

	2019	2020	2021	2022
All Minors	11%	17%	18%	14%
Girls	12%	14%	13%	11%
Boys	9%	19%	22%	16%
Ages 9-12	6%	14%	14%	6%
Girls	3%	11%	13%	6%
Boys	7%	18%	15%	7%
Ages 13-17	15%	19%	22%	20%
Girls	19%	17%	14%	16%
Boys	11%	20%	28%	22%
LGBTQ+	21%	32%	26%	24%
Non-LGBTQ+	8%	13%	16%	12%
African American	11%	14%	19%	14%
Hispanic/Latino	11%	20%	31%	14%
Other POC	12%*	8%	8%	16%
White	11%	19%	13%	14%

Note: Numbers shown reflect the percentage of minors who reported they have shared their own nude imagery.

\*Base size <100

Fig a-10 | Experiences sharing SG-CSAM in the past year, by year and demographics

Among kids who have shared their own nudes

Q40XT. And have you sent or shared a nude photo or video of yourself either directly with someone else or with your social media followers in the past year? Please remember that your answers are anonymous. social media followers?

	2021	2022
All Minors	68%	78%
Girls	58%*	67%*
Boys	75%	85%*
Ages 9-12	74%**	-
Ages 13-17	65%	77%
LGBTQ+	53%*	90%**
Non-LGBTQ+	74%	74%
African American	66%*	73%**
Hispanic/Latino	76%*	74%**
Other POC	-	-
White	65%*	81%*

Note: Numbers shown reflect, among minors that have shared their own nudes, the percentage who reported they have shared their own nude imagery in the past year. Some data for minors aged 9-12 and other POC is not featured because all related data had a base size of <25. \*Base size <100, \*\*Base size <50

Fig a-11 | Perceptions of normalcy, by year

Q40. How strongly do you agree with the following statement: "It's normal for people my age to share nudes with each other."

	2019	2020	2021	2022
<b>All Minors</b>	27%	28%	25%	24%
<b>Girls</b>	26%	27%	20%	18%
<b>Boys</b>	28%	30%	27%	29%
<b>Ages 9-12</b>	13%	21%	14%	14%
<b>Girls</b>	10%	16%	13%	7%
<b>Boys</b>	16%	26%	15%	21%
<b>Ages 13-17</b>	39%	34%	33%	32%
<b>Girls</b>	39%	37%	26%	28%
<b>Boys</b>	38%	32%	37%	35%
<b>LGBTQ+</b>	39%	34%	36%	41%
<b>Non-LGBTQ+</b>	25%	27%	22%	22%
<b>African American</b>	28%	28%	25%	25%
<b>Hispanic/Latino</b>	30%	31%	37%	28%
<b>Other POC</b>	21%*	23%	19%	20%
<b>White</b>	27%	28%	20%	24%

Note: \*Base size <100

Fig a-12 | **Sharing nudes with someone you know versus a stranger, by year**

Among minors who've shared their own nudes

Q44. And had you met the person or people you shared this nude photo/video with in real life before you shared it?

		2019	2020	2021	2022
<b>All Minors</b>	Had met the person(s) before	62%	50%	57%	48%
	Had met some of the person(s) but not all	27%	36%	30%	31%
	Had not met the person(s) before	10%	15%	13%	21%
<b>Ages 9-12</b>	Had met the person(s) before	-	42%*	50%**	-
	Had met some of the person(s) but not all	-	44%*	39%**	-
	Had not met the person(s) before	-	14%*	11%**	-
<b>Ages 13-17</b>	Had met the person(s) before	60%*	54%	60%	51%
	Had met some of the person(s) but not all	28%*	31%	26%	30%
	Had not met the person(s) before	11%*	15%	14%	18%
<b>Girls</b>	Had met the person(s) before	65%*	50%*	61%*	44%*
	Had met some of the person(s) but not all	23%*	45%*	24%*	31%*
	Had not met the person(s) before	12%*	5%*	15%*	25%*
<b>Boys</b>	Had met the person(s) before	59%**	47%	54%	55%*
	Had met some of the person(s) but not all	-	-	35%	27%*
	Had not met the person(s) before	8%**	22%	10%	19%*
<b>LGBTQ+</b>	Had met the person(s) before	51%**	59%*	54%*	42%**
	Had met some of the person(s) but not all	42%**	28%*	21%*	30%**
	Had not met the person(s) before	7%**	13%*	25%*	28%**
<b>Non-LGBTQ+</b>	Had met the person(s) before	70%*	45%	58%	50%
	Had met some of the person(s) but not all	18%*	41%	34%	31%
	Had not met the person(s) before	12%*	13%	8%	19%
<b>African American</b>	Had met the person(s) before	78%**	40%**	55%*	40%**
	Had met some of the person(s) but not all	11%**	33%**	25%*	25%**
	Had not met the person(s) before	11%**	27%**	21%*	35%**
<b>Hispanic/Latino</b>	Had met the person(s) before	71%**	34%**	59%*	49%**
	Had met some of the person(s) but not all	15%**	49%**	34%*	19%**
	Had not met the person(s) before	14%**	17%**	7%*	33%**
<b>Other POC</b>	Had met the person(s) before	-	-	-	-
	Had met some of the person(s) but not all	-	-	-	-
	Had not met the person(s) before	-	-	-	-
<b>White</b>	Had met the person(s) before	51%*	58%	58%*	53%*
	Had met some of the person(s) but not all	40%*	30%	27%*	33%*
	Had not met the person(s) before	9%*	12%	15%*	14%*

Note: Data for minors aged 9-12 and Other POC is not featured in select years because all related data had a base size of <25. \*Base size <100 \*\*Base size <50

Fig a-13 | **Perceived age of recipient, by year and demographics**  
 Among minors who've shared their own nudes

Q46. Have you ever sent or shared nude photo(s)/video(s) of yourself with any of the following...?

	Someone aged 18 or older			Someone under the age of 18			Someone whose age you didn't know			Other		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
<b>All Minors</b>	41%	42%	36%	57%	53%	66%	30%	24%	28%	4%	4%	4%
<b>Girls</b>	41%*	32%*	24%*	68%*	59%*	67%*	26%*	21%*	26%*	1%*	7%*	8%*
<b>Boys</b>	40%	48%	39%*	47%	46%	72%*	34%	27%	30%*	6%	2%	2%*
<b>Ages 9-12</b>	36%*	50%**	-	45%*	43%**	-	37%*	24%**	-	1%*	5%**	-
<b>Ages 13-17</b>	43%	38%	36%	63%	58%	64%	25%	24%	25%	6%	3%	5%
<b>LGBTQ+</b>	36%*	45%*	36%**	62%*	61%*	53%**	31%*	24%*	27%**	3%*	8%*	3%**
<b>Non-LGBTQ+</b>	45%	41%	36%	52%	49%	70%	30%	23%	28%	5%	2%	5%
<b>African American</b>	20%**	35%*	40%**	72%**	47%*	62%**	20%**	28%*	36%**	0%**	2%*	3%**
<b>Hispanic/Latino</b>	40%**	48%*	41%**	57%**	50%*	62%**	36%**	21%*	39%**	4%**	1%*	6%**
<b>White</b>	41%	41%*	29%*	52%	59%*	75%*	25%	23%*	23%*	5%	7%*	2%*

Note: Columns will total more than 100 because question was multiple select. Answer choice "other" was included as an option for minors who might feel uncomfortable disclosing their perception of the age of the person(s) with whom they have shared SG-CSAM. Some 9-12-year-old and other POC data is not featured in this table because all related data had a base size of <25. \*Base size <100 \*\*Base size <50

Fig a-14 | **Consequences of resharing someone else’s nudes, by year**

Among minors who’ve nonconsensually reshared

Q50A. After you re-shared a nude photo or video of someone else without that person’s knowledge online, which, if any, of the following happened?

	2019	2020	2021	2022
The person in the photo or video found out	13%*	18%*	34%	15%
Your friends thought it was funny	12%*	15%*	34%	17%
Your friends got mad at you	15%*	19%*	28%	10%
You got in trouble at school	12%*	20%*	27%	11%
You regretted sending it	20%*	23%*	26%	18%
You got in trouble with your parents or caregivers	8%*	29%*	23%	18%
You got in trouble with the police	8%*	12%*	21%	11%
The person in the photo or video felt bad	15%*	22%*	20%	16%
You felt bad for the person in the photo or video	19%*	22%*	20%	17%
Nothing happened	32%*	17%*	9%	33%

Note: Columns will total more than 100 because question was multiple select. \*Base size <100

**Fig a-15 | Experiences having seen nonconsensually reshared SG-CSAM, by year and demographics**

*Q49. Have you ever been shown or sent a nude photo or video of someone at your school or someone else your age in your community without that person's knowledge?*

		2019	2020	2021	2022
<b>All Minors</b>	Yes	21%	25%	20%	23%
	Prefer not to say	9%	7%	5%	2%
	No	70%	68%	74%	75%
<b>Ages 9-12</b>	Yes	11%	17%	13%	15%
	Prefer not to say	9%	4%	3%	1%
	No	80%	79%	84%	84%
<b>Girls</b>	Yes	9%	17%	12%	12%
	Prefer not to say	8%	4%	4%	1%
	No	84%	79%	84%	86%
<b>Boys</b>	Yes	13%	18%	15%	18%
	Prefer not to say	9%	4%	1%	0%
	No	79%	79%	84%	82%
<b>Ages 13-17</b>	Yes	29%	31%	25%	29%
	Prefer not to say	9%	10%	8%	3%
	No	62%	60%	67%	68%
<b>Girls</b>	Yes	32%	30%	24%	30%
	Prefer not to say	7%	11%	9%	2%
	No	61%	59%	67%	68%
<b>Boys</b>	Yes	27%	31%	28%	30%
	Prefer not to say	12%	8%	6%	1%
	No	61%	61%	67%	69%
<b>LGBTQ+</b>	Yes	29%	28%	25%	28%
	Prefer not to say	12%	10%	11%	5%
	No	59%	62%	64%	67%
<b>Non-LGBTQ+</b>	Yes	20%	24%	19%	23%
	Prefer not to say	8%	5%	3%	1%
	No	73%	71%	78%	76%
<b>African American</b>	Yes	29%	21%	24%	25%
	Prefer not to say	7%	5%	3%	4%
	No	64%	74%	73%	71%
<b>Hispanic/Latino</b>	Yes	21%	27%	28%	24%
	Prefer not to say	12%	8%	6%	1%
	No	67%	65%	66%	75%
<b>Other POC</b>	Yes	20%*	24%	15%	18%
	Prefer not to say	12%*	11%	5%	5%
	No	68%*	65%	79%	77%
<b>White</b>	Yes	19%	24%	16%	23%
	Prefer not to say	7%	7%	6%	1%
	No	74%	69%	78%	76%

Note: \*Base size <100

Fig a-16 | **Percentage of minors who did not disclose their potentially harmful online experience, by year and demographics**

Among minors who have had a harmful experience

Q33. Earlier you indicated that you have experienced the following on a platform. For the scenarios you experienced, which of the following, if any, did you turn to for support?

	2020	2021	2022
<b>All Minors</b>	24%	16%	19%
<b>Girls</b>	26%	19%	19%
<b>Boys</b>	18%	12%	18%
<b>Ages 9-12</b>	12%	9%	10%
<b>Girls</b>	15%*	12%*	9%*
<b>Boys</b>	9%	4%*	11%*
<b>Ages 13-17</b>	32%	21%	25%
<b>Girls</b>	34%	23%	25%
<b>Boys</b>	26%*	18%	24%
<b>LGBTQ+</b>	34%	31%	26%*
<b>Non-LGBTQ+</b>	19%	11%	17%
<b>African American</b>	21%*	13%	16%
<b>Hispanic/Latino</b>	34%	22%	23%
<b>Other POC</b>	27%**	23%*	26%*
<b>White</b>	18%	14%	16%

Note: Percent of minors who selected "No one".  
\*Base size <100 \*\*Base size <50

Fig a-17 | **Reasons why minors did not disclose their potentially harmful online, by year**

Among minors who turned to 'no one' for support who have had...

Q34. Which of the following describe why you did not look for additional support following experiences you have had on a platform?

	....a potentially harmful online experience			....an online sexual interaction		
	2020	2021	2022	2020	2021	2022
<b>You felt this was not a big deal</b>	62%	51%*	52%	49%*	49%*	47%*
<b>You felt embarrassed and worried of being judged</b>	23%	26%*	35%	17%*	28%*	35%*
<b>You felt like you were to blame or partly to blame for the situation</b>	15%	16%*	17%	12%*	24%*	17%*
<b>You worried about police or law enforcement getting involved</b>	15%	12%*	16%	19%*	17%*	20%*
<b>You worried about not being allowed to use a platform</b>	15%	12%*	16%	19%*	12%*	14%*
<b>You worried about being in trouble with your family</b>	19%	21%*	16%	26%*	33%*	21%*
<b>You worried your report would not be anonymous</b>	24%	10%*	13%	23%*	12%*	16%*
<b>You worried about being in trouble with your school</b>	5%	2%*	10%	6%*	4%*	12%*
<b>You worried about getting bullied at school</b>	5%	2%*	10%	2%*	2%*	12%*
<b>You worried about losing friends</b>	8%	7%*	7%	9%*	7%*	9%*

Note: \*Base size <100



**Fig a-18 | What makes minors more likely to use online reporting tools, by year**

*Q30. Regardless of the specific situation, if another user on a platform did something that made you feel uncomfortable or unsafe, would knowing the following make you more or less likely to report them to the platform?*

	2020	2021	2022
<b>Report would be anonymous</b>	68%	75%	78%
<b>Report would be evaluated and responded to by a real human being who works for the platform</b>	68%	71%	69%
<b>Believe the person is lying about who they are or their identity in some way</b>	61%	67%	67%
<b>Only know the person online</b>	61%	61%	66%
<b>Report would go to an independent organization for review</b>	55%	54%	54%
<b>Know the person offline/in real life</b>	40%	42%	42%
<b>Report would be evaluated and responded to by an artificial intelligence program or bot</b>	39%	40%	38%
<b>The reported user would know you were the one who reported them</b>	37%	34%	34%
<b>Possibility of being kicked off of the platform in response</b>	34%	37%	34%

Note: Numbers shown reflect net percentage of minors who selected "much more likely" or "somewhat more likely."

Fig a-19 | What makes minors more likely to use online reporting tools, by demographics

Q30. Regardless of the specific situation, if another user on a platform did something that made you feel uncomfortable or unsafe, would knowing the following make you more or less likely to report them to the platform?

	Report would be anonymous			Report would be evaluated and responded to by a real human being who works for the platform			Only know the person online		
	2020	2021	2022	2020	2021	2022	2020	2021	2022
All Minors	68%	75%	78%	68%	71%	69%	61%	61%	66%
Girls	74%	74%	79%	70%	72%	70%	65%	61%	65%
Boys	63%	77%	77%	66%	70%	69%	58%	62%	67%
Ages 9-12	70%	79%	79%	68%	72%	71%	67%	63%	67%
Girls	76%	77%	77%	74%	74%	74%	70%	65%	64%
Boys	65%	83%	79%	64%	71%	70%	66%	61%	69%
Ages 13-17	67%	72%	77%	67%	71%	68%	57%	60%	65%
Girls	72%	71%	81%	67%	71%	66%	61%	58%	65%
Boys	62%	71%	75%	68%	69%	69%	52%	62%	65%
LGBTQ+	70%	68%	82%	66%	71%	71%	66%	60%	73%
Non-LGBTQ+	69%	77%	78%	68%	72%	69%	61%	62%	66%
African American	65%	72%	72%	66%	71%	71%	63%	61%	61%
Hispanic/Latino	60%	74%	75%	63%	74%	64%	57%	61%	65%
Other POC	71%	76%	81%	66%	74%	72%	62%	58%	60%
White	73%	76%	80%	71%	70%	72%	63%	62%	69%

	Believe the person is lying about who they are or their identity in some way			Report would go to an independent organization for review			Know the person offline/in real life		
	2020	2021	2022	2020	2021	2022	2020	2021	2022
All Minors	61%	67%	67%	55%	54%	54%	40%	42%	42%
Girls	62%	68%	68%	54%	51%	54%	37%	40%	38%
Boys	60%	65%	67%	56%	55%	55%	44%	44%	46%
Ages 9-12	61%	71%	69%	60%	57%	56%	48%	48%	40%
Girls	59%	71%	70%	58%	56%	56%	43%	48%	34%
Boys	64%	71%	69%	63%	59%	57%	53%	47%	45%
Ages 13-17	60%	63%	66%	50%	51%	53%	34%	38%	43%
Girls	64%	66%	67%	50%	48%	53%	32%	34%	41%
Boys	58%	61%	65%	50%	53%	54%	37%	42%	46%
LGBTQ+	60%	62%	75%	62%	47%	53%	38%	38%	36%
Non-LGBTQ+	62%	68%	67%	53%	56%	55%	41%	44%	43%
African American	54%	67%	64%	52%	51%	54%	45%	49%	43%
Hispanic/Latino	61%	68%	70%	57%	64%	54%	41%	53%	43%
Other POC	51%	64%	69%	54%	48%	52%	37%	35%	37%
White	65%	67%	67%	53%	51%	55%	39%	38%	41%

Note: Numbers shown reflect net percentage of minors who selected “much more likely” or “somewhat more likely.”

Fig a-19 continued | **What makes minors more likely to use online reporting tools, by demographics**

Q30. Regardless of the specific situation, if another user on a platform did something that made you feel uncomfortable or unsafe, would knowing the following make you more or less likely to report them to the platform?

	Report would be evaluated and responded to by an artificial intelligence program or bot			The reported user would know you were the one who reported them			Possibility of being kicked off of the platform in response		
	2020	2021	2022	2020	2021	2022	2020	2021	2022
<b>All Minors</b>	39%	40%	38%	37%	34%	34%	34%	37%	34%
<b>Girls</b>	34%	38%	35%	26%	32%	30%	29%	36%	28%
<b>Boys</b>	45%	42%	42%	48%	38%	38%	40%	38%	40%
<b>Ages 9-12</b>	46%	42%	37%	41%	38%	34%	40%	41%	34%
<b>Girls</b>	40%	43%	30%	31%	36%	28%	34%	43%	30%
<b>Boys</b>	52%	42%	44%	53%	41%	39%	46%	40%	37%
<b>Ages 13-17</b>	34%	38%	39%	33%	31%	34%	29%	33%	35%
<b>Girls</b>	30%	33%	38%	22%	29%	31%	24%	31%	27%
<b>Boys</b>	39%	42%	40%	43%	35%	38%	34%	36%	43%
<b>LGBTQ+</b>	39%	33%	42%	35%	31%	33%	35%	34%	35%
<b>Non-LGBTQ+</b>	40%	42%	38%	37%	36%	35%	34%	38%	35%
<b>African American</b>	44%	46%	40%	37%	42%	38%	40%	42%	36%
<b>Hispanic/Latino</b>	39%	50%	40%	36%	45%	39%	33%	45%	39%
<b>Other POC</b>	40%	31%	34%	32%	23%	21%	36%	29%	27%
<b>White</b>	38%	35%	38%	37%	30%	35%	33%	33%	33%

Note: Numbers shown reflect net percentage of minors who selected “much more likely” or “somewhat more likely.”

Fig a-20 | **Desired platform resources and actions as expressed by minors, by demographics**

Q32. Thinking about the platforms you use, would you want them to provide you with any of the following when you use the platform?

	Information on how to report people	Information on how to block people	Information on how to protect yourself online from uncomfortable or risky sexual experiences	Tutorial videos on how to report or block someone	Pop-up messages that check in on how safe you feel on their platform	Support or counseling if you've had a bad experience on their platform	None of the above
<b>All Minors</b>	53%	54%	49%	40%	39%	31%	17%
<b>Girls</b>	59%	57%	50%	44%	39%	30%	15%
<b>Boys</b>	46%	53%	48%	38%	41%	31%	18%
<b>Ages 9-12</b>	52%	58%	52%	48%	44%	33%	16%
<b>Girls</b>	63%	61%	52%	54%	43%	32%	13%
<b>Boys</b>	41%	55%	51%	41%	44%	33%	19%
<b>Ages 13-17</b>	54%	52%	47%	35%	36%	28%	17%
<b>Girls</b>	56%	53%	48%	37%	36%	29%	17%
<b>Boys</b>	50%	52%	45%	36%	38%	29%	17%
<b>LGBTQ+</b>	55%	51%	55%	36%	36%	41%	16%
<b>Non-LGBTQ+</b>	52%	55%	48%	41%	39%	28%	17%
<b>African American</b>	50%	50%	49%	39%	37%	34%	18%
<b>Hispanic/Latino</b>	47%	54%	51%	43%	39%	32%	17%
<b>Other POC</b>	57%	57%	50%	42%	37%	32%	16%
<b>White</b>	56%	56%	49%	40%	41%	29%	17%

Note: Rows will total more than 100 because the question was multiple select.

Fig a-21 | **Percentage of minors who considered sharing a nude, but chose not to, by year**

Q41. Even though you have never shared a nude photo, have you ever considered doing so?

	2019	2020	2021	2022
<b>All Minors</b>	11%	12%	10%	13%
<b>Girls</b>	11%	11%	11%	14%
<b>Boys</b>	11%	12%	9%	12%

Note: Numbers shown reflect percentage of minors who selected 'yes.'

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