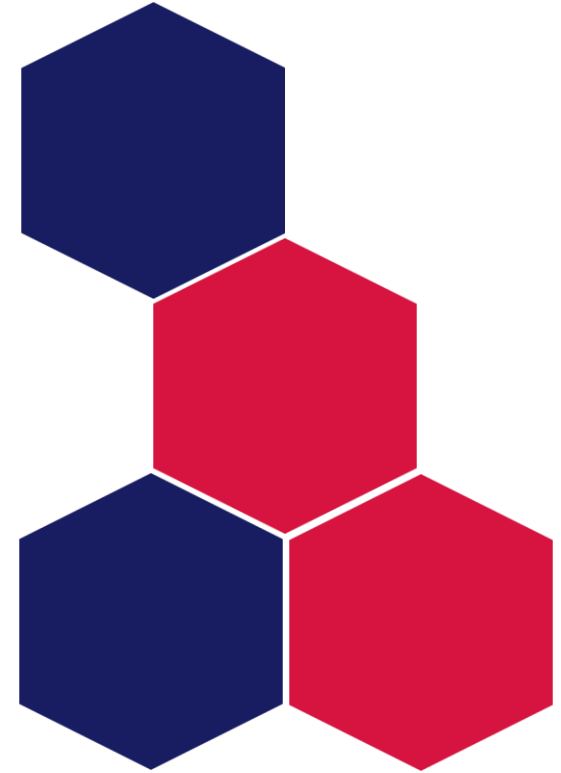
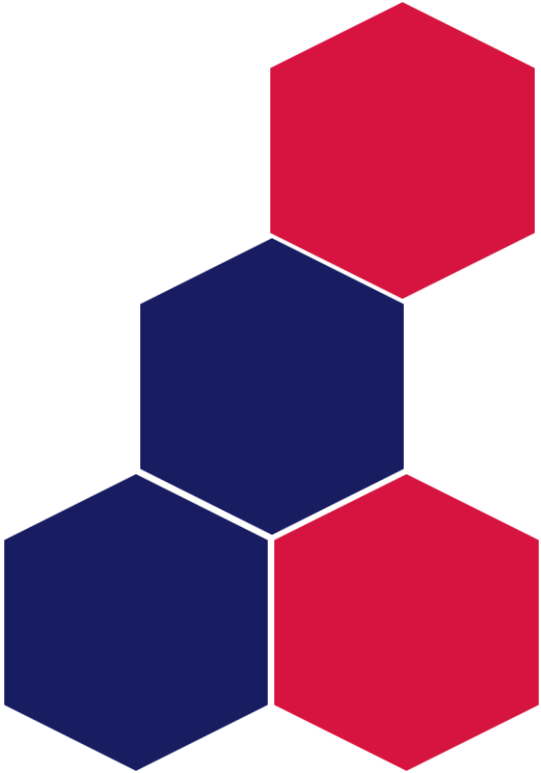


Internet Use in Singapore

Dr. Goh Zhang Hao and Dr. Edson Tandoc Jr.

IN-cube Panel Surveys

(Dec 2020 to Dec 2022)



About IN-cube



IN-cube tracks and analyses information and internet behaviour in Singapore. It aims to promote information integrity in online spaces, especially in an era of misinformation and disinformation, through timely, rigorous, and relevant research that links academics, policymakers, industry players, and the public.

Key events (Dec'20 to Dec' 22)

Wave 1: December 2020 ($n = 1,606$)

First shipment of Pfizer vaccines to Singapore

Wave 2: July 2021 ($n = 800$)

Alert level raise to Phase 2 (Heightened Alert)

Wave 3: December 2021 ($n = 1,016$)

Start of vaccinated travel lanes

Wave 4: June 2022 ($n = 992$)

Easing of covid restrictions

Wave 5: December 2022 ($n = 1,016$)

Post-COVID life

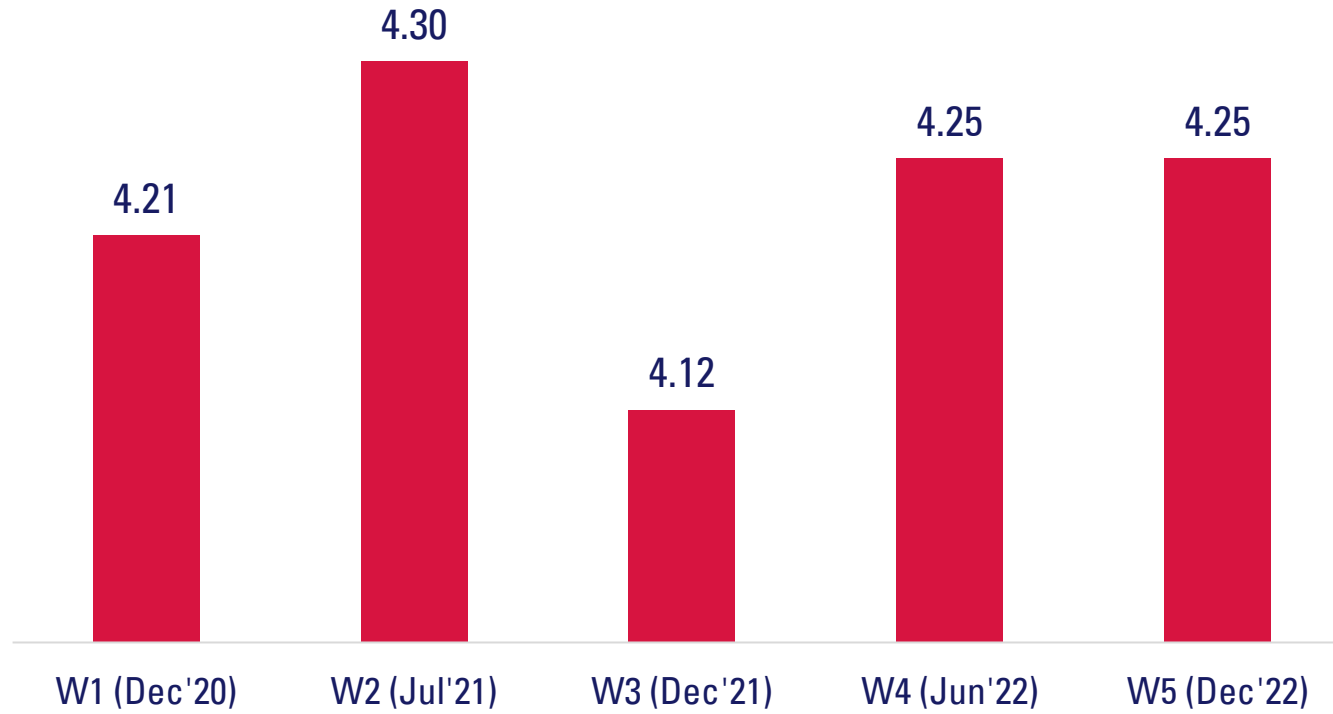




Perceived Importance of Internet

Perceived Importance of Internet

*The internet has been ___ to me personally.
(1 = Not important at all to 5 = Very important)*

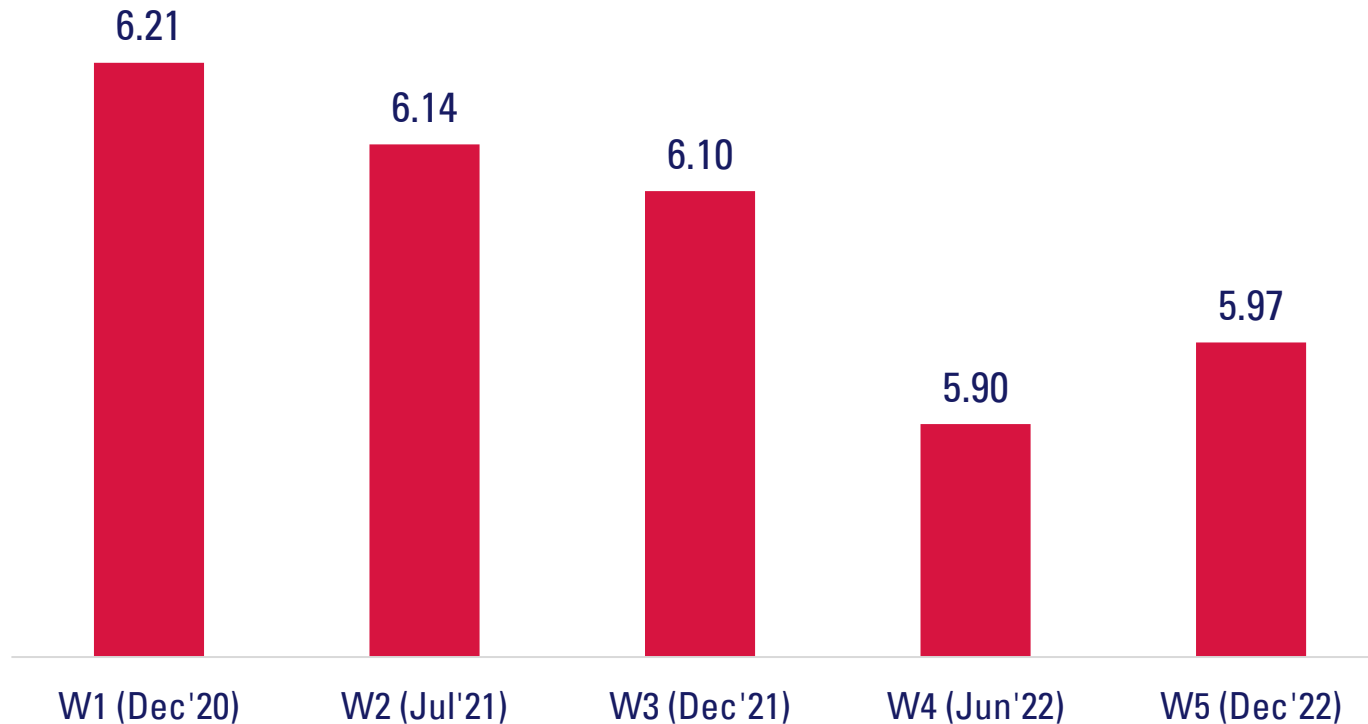




Number of Hours Spent on the Internet in General

Hours Spent on the Internet

*How many hours in a day do you spend ...? - On the internet in general
(From "0 hours" to "13 hours or more")*



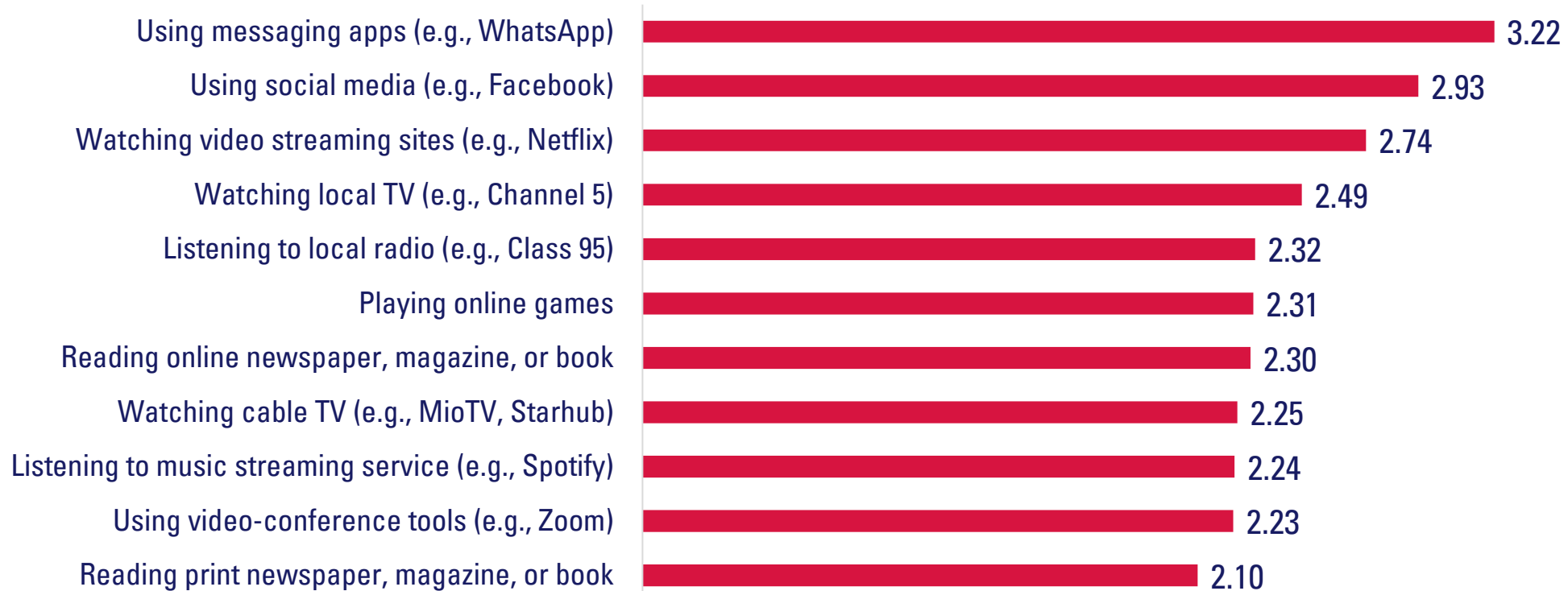


Number of Hours Spent on Media



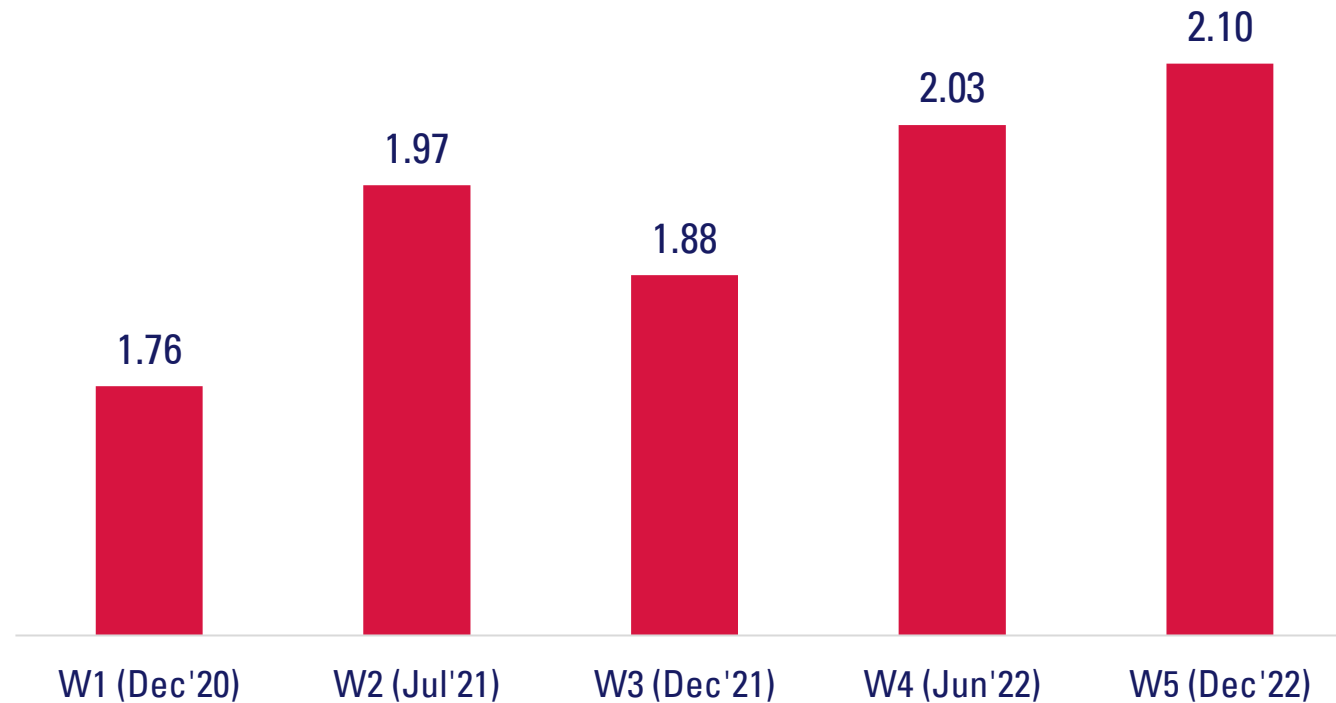
Hours Spent on Media - Wave 5 (Dec'22)

*How many hours in a day do you spend _____?
(From "0 hours" to "13 hours or more")*



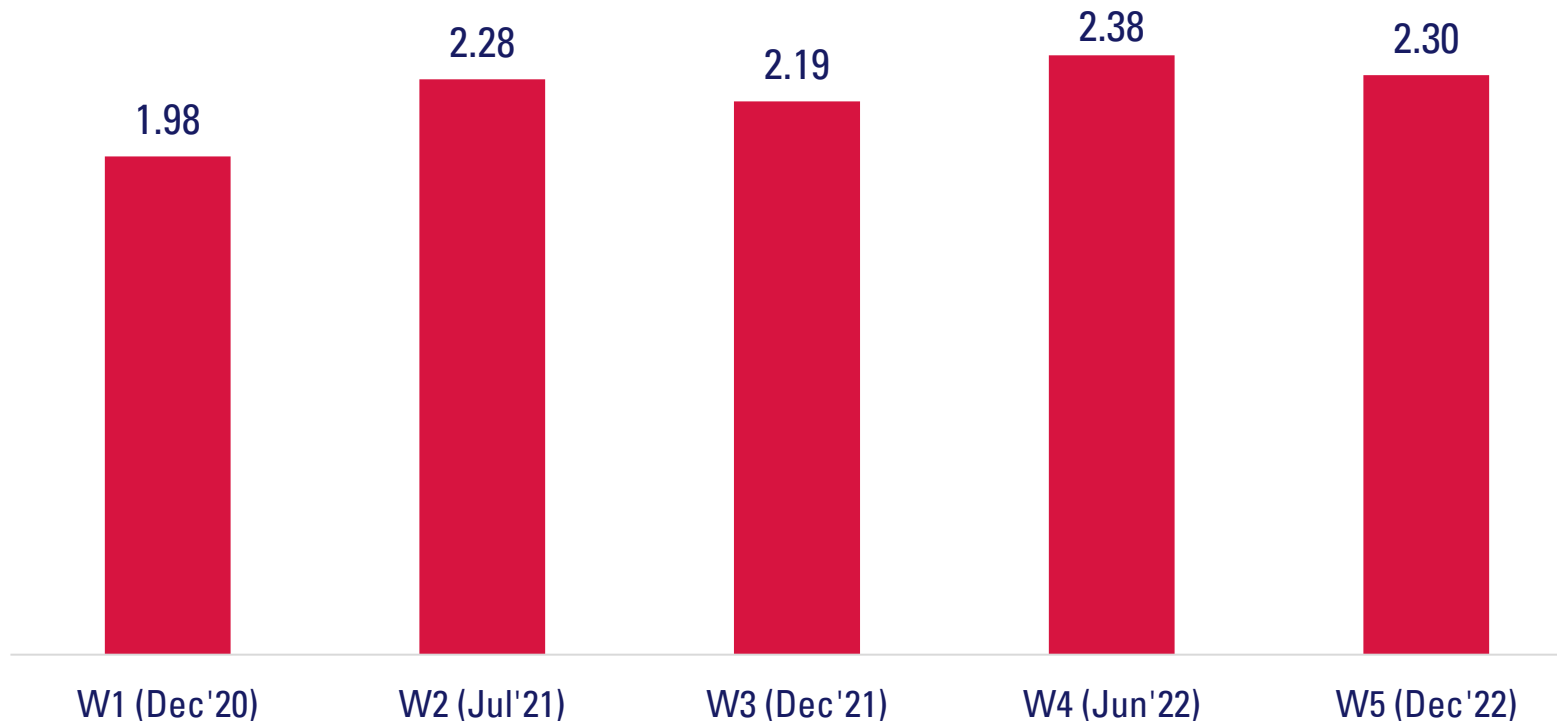
Hours Spent on Print

*How many hours in a day do you spend _____? - Reading print newspaper, magazine, or book
(From "0 hours" to "13 hours or more")*



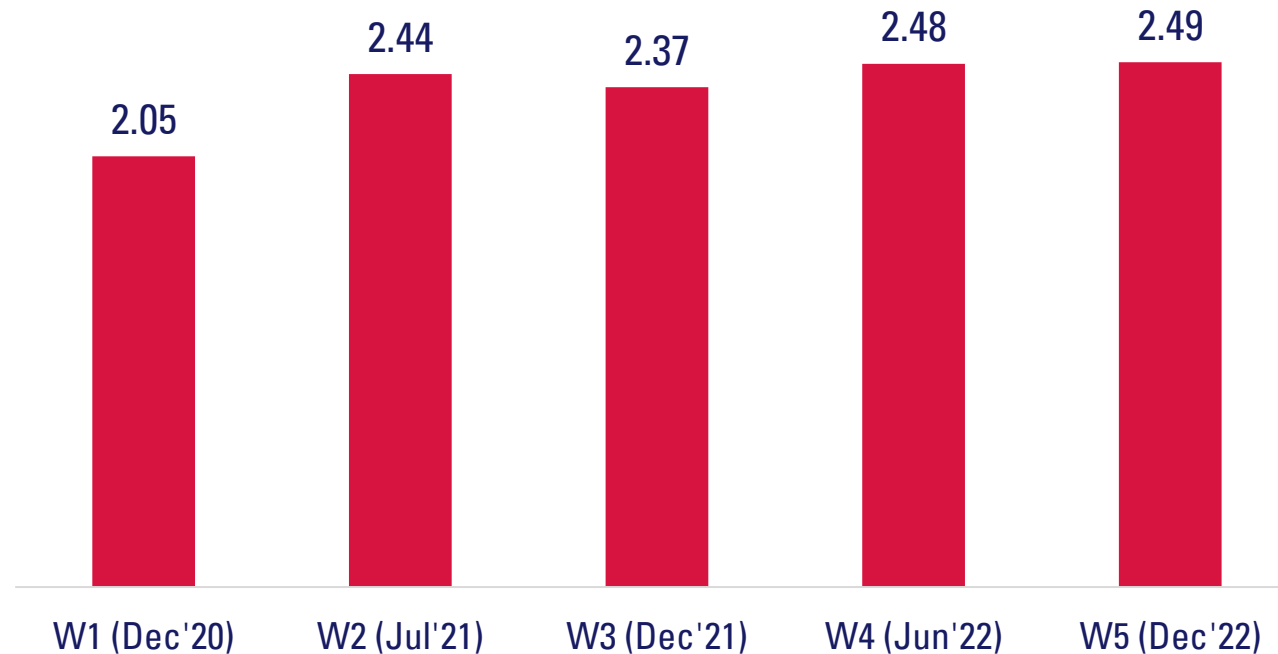
Hours Spent on Online Texts

*How many hours in a day do you spend ____? - Reading online newspaper, magazine, or book
(From "0 hours" to "13 hours or more")*



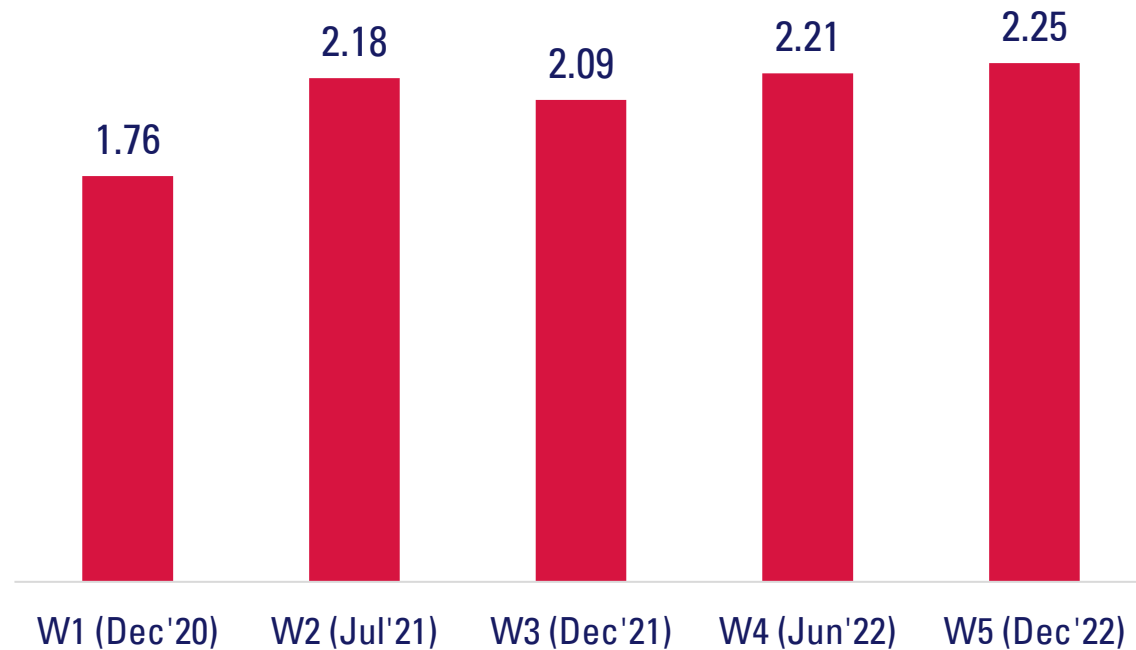
Hours Spent on Local TV

*How many hours in a day do you spend _____? - Watching local TV (e.g., Channel 5)
(From "0 hours" to "13 hours or more")*



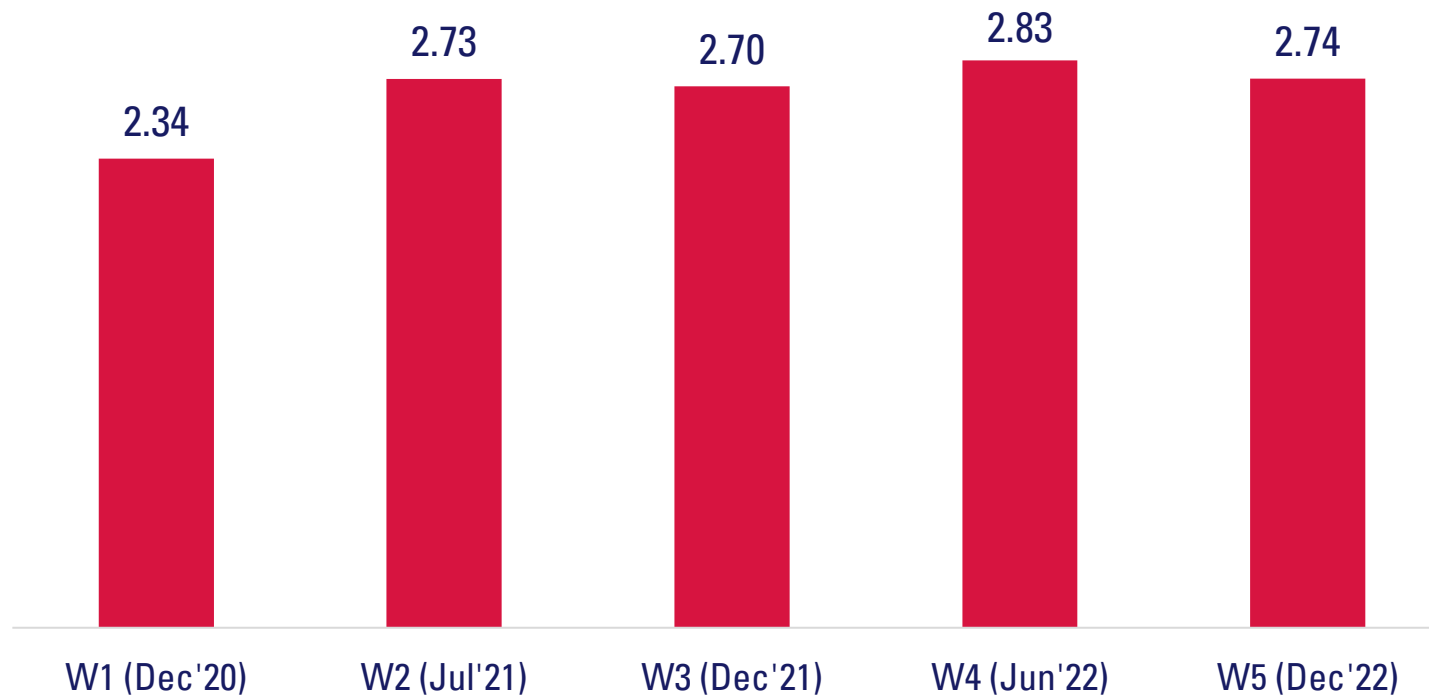
Hours Spent on Cable TV

*How many hours in a day do you spend ____? - Watching cable TV (e.g., MioTV, Starhub)
(From "0 hours" to "13 hours or more")*



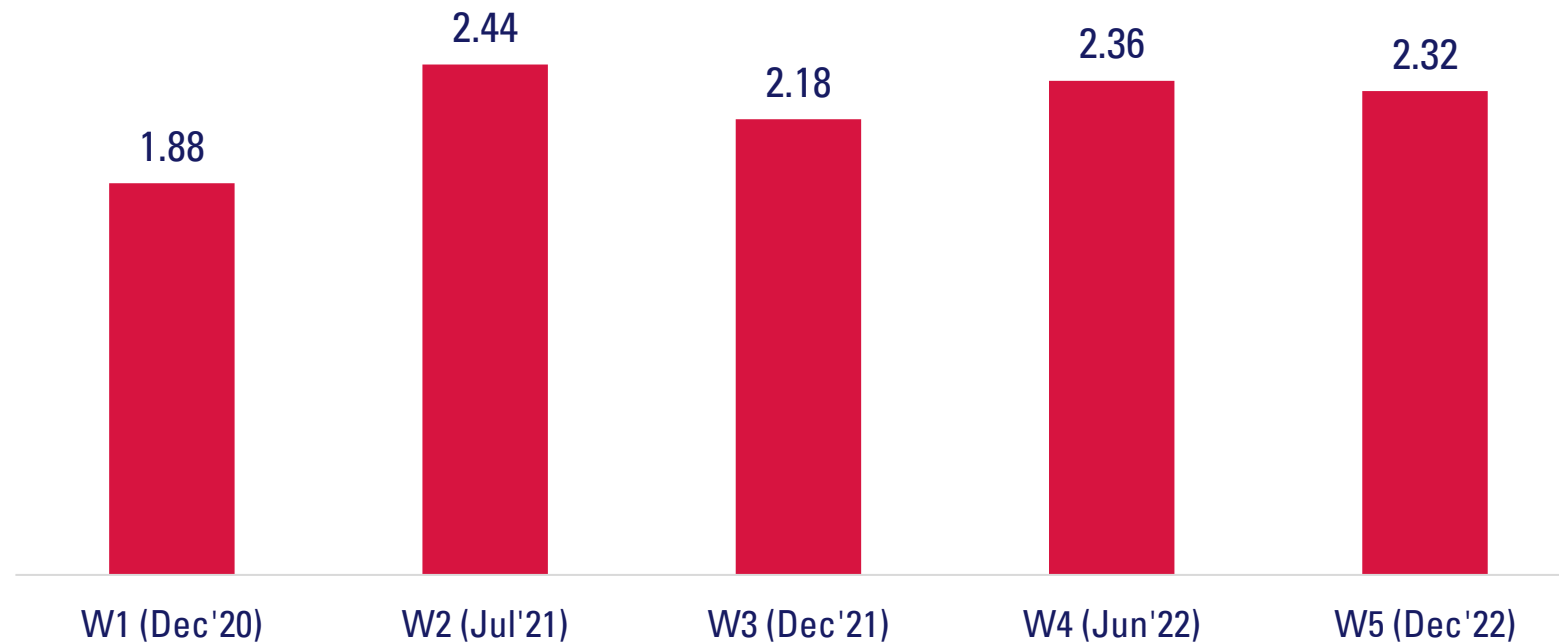
Hours Spent on Video Streaming

*How many hours in a day do you spend _____? - Watching video streaming sites (e.g., Netflix)
(From "0 hours" to "13 hours or more")*



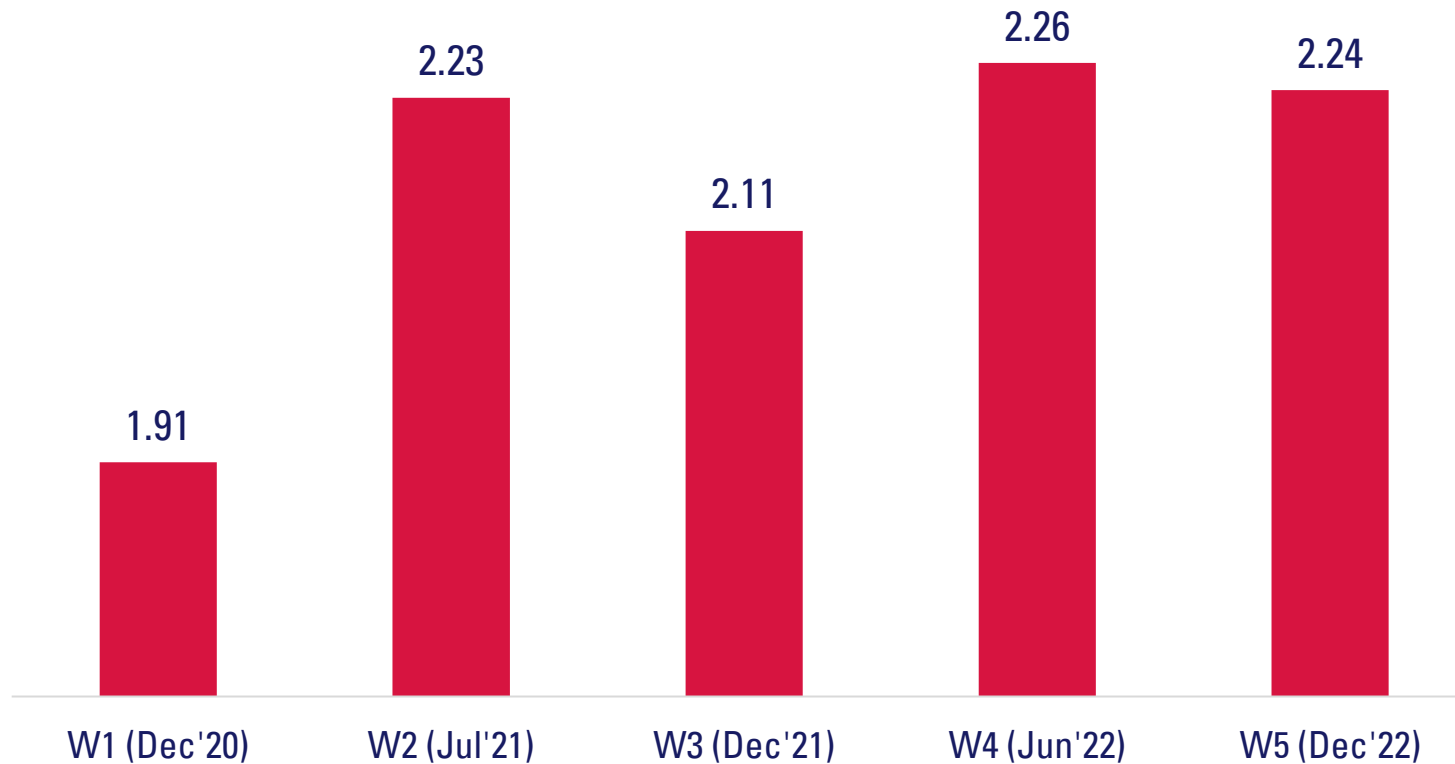
Hours Spent on Local Radio

*How many hours in a day do you spend ____? - Listening to local radio (e.g., Class 95)
(From "0 hours" to "13 hours or more")*



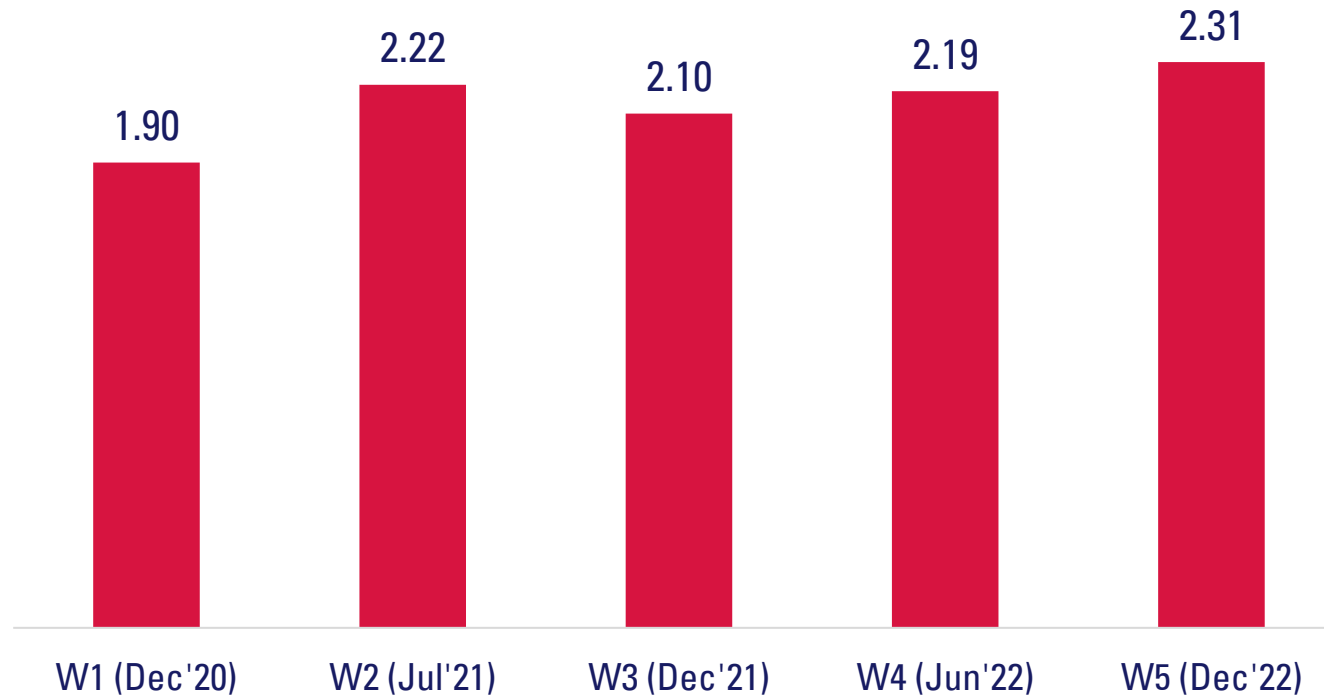
Hours Spent on Music Streaming

*How many hours in a day do you spend ____? - Listening to music streaming service (e.g., Spotify)
(From "0 hours" to "13 hours or more")*



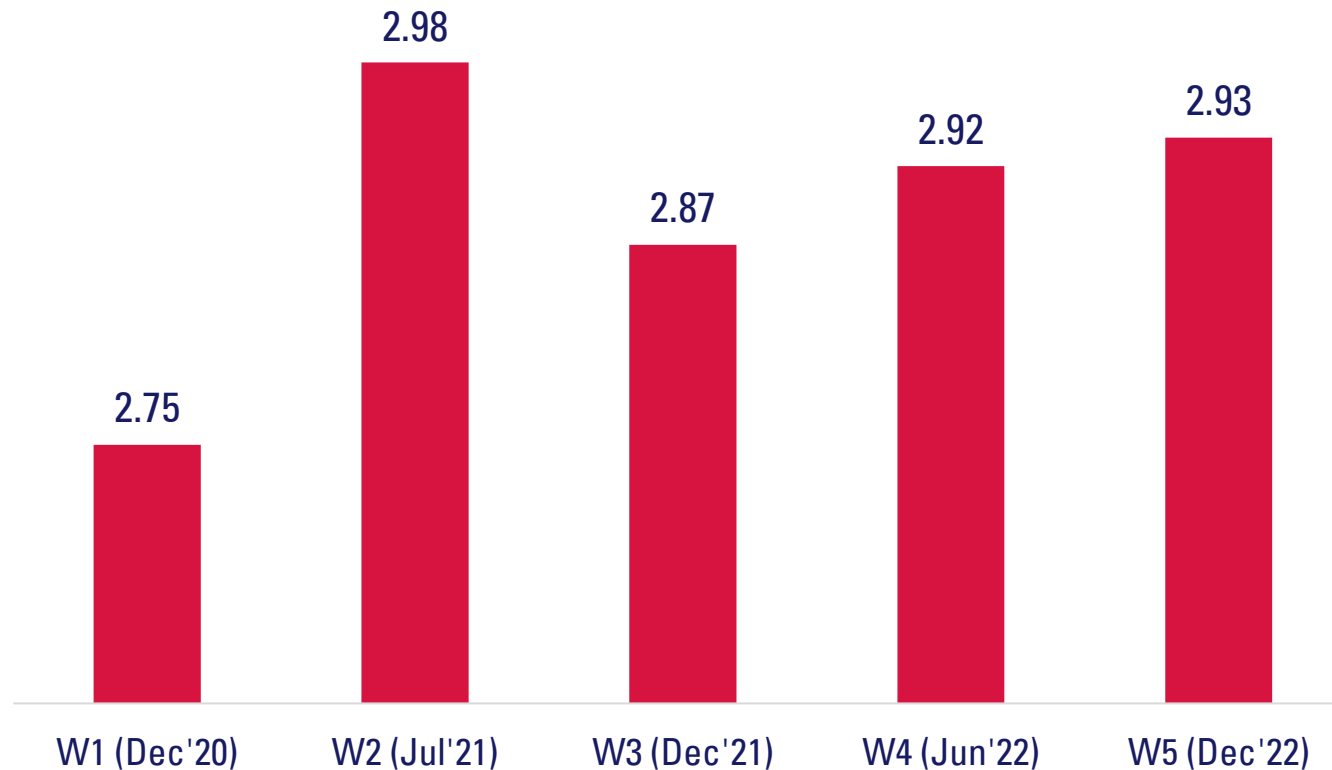
Hours Spent on Online Games

*How many hours in a day do you spend _____? - Playing online games
(From "0 hours" to "13 hours or more")*



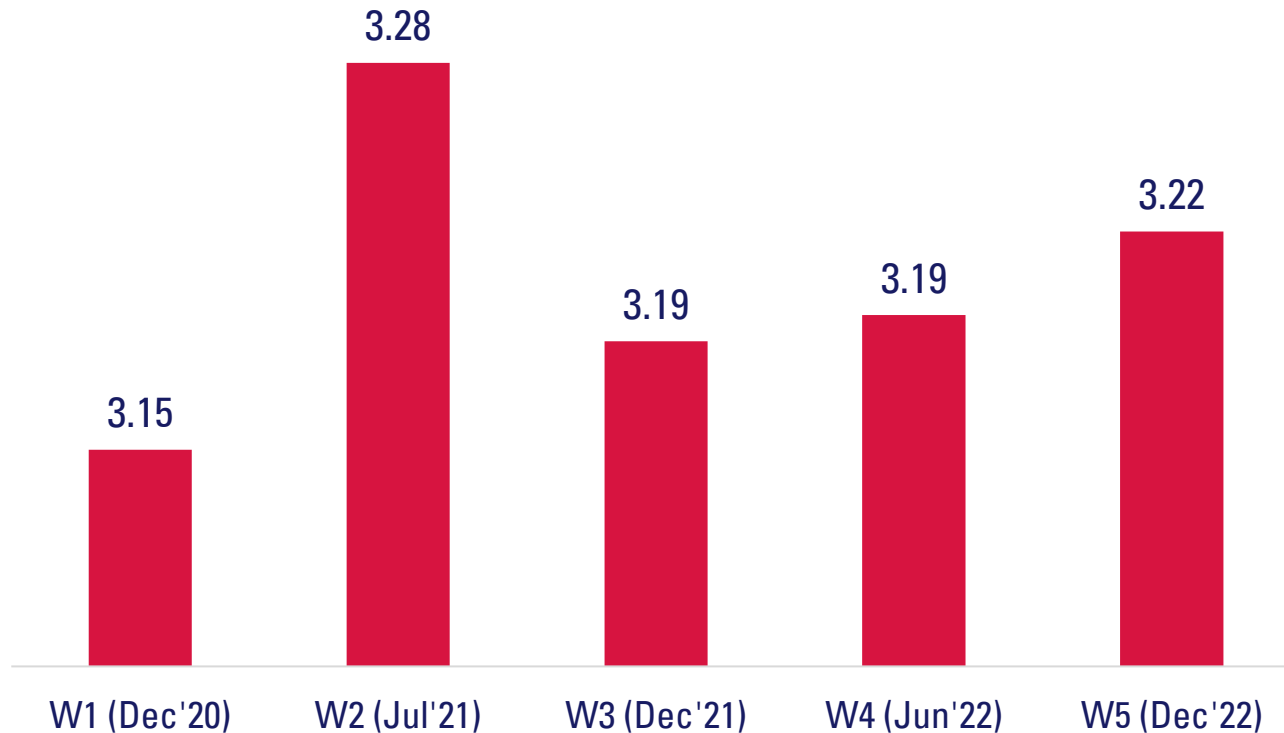
Hours Spent on Social Media

*How many hours in a day do you spend ____? - Using social media (e.g., Facebook)
(From "0 hours" to "13 hours or more")*



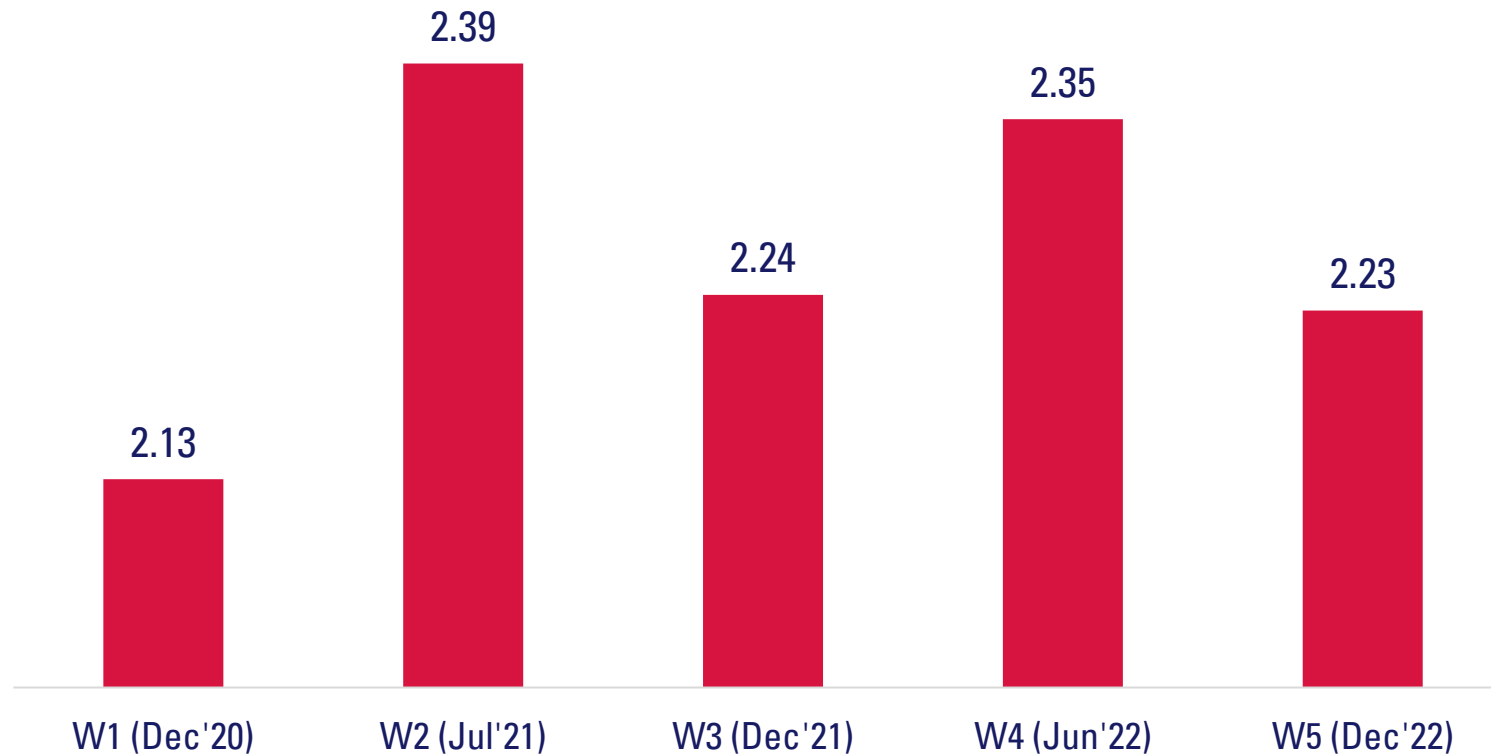
Hours Spent on Messaging Apps

*How many hours in a day do you spend ____? - Using messaging apps (e.g., WhatsApp)
(From "0 hours" to "13 hours or more")*



Hours Spent on Videoconferencing

*How many hours in a day do you spend ____? - Using video-conference tools (e.g., Zoom)
(From "0 hours" to "13 hours or more")*

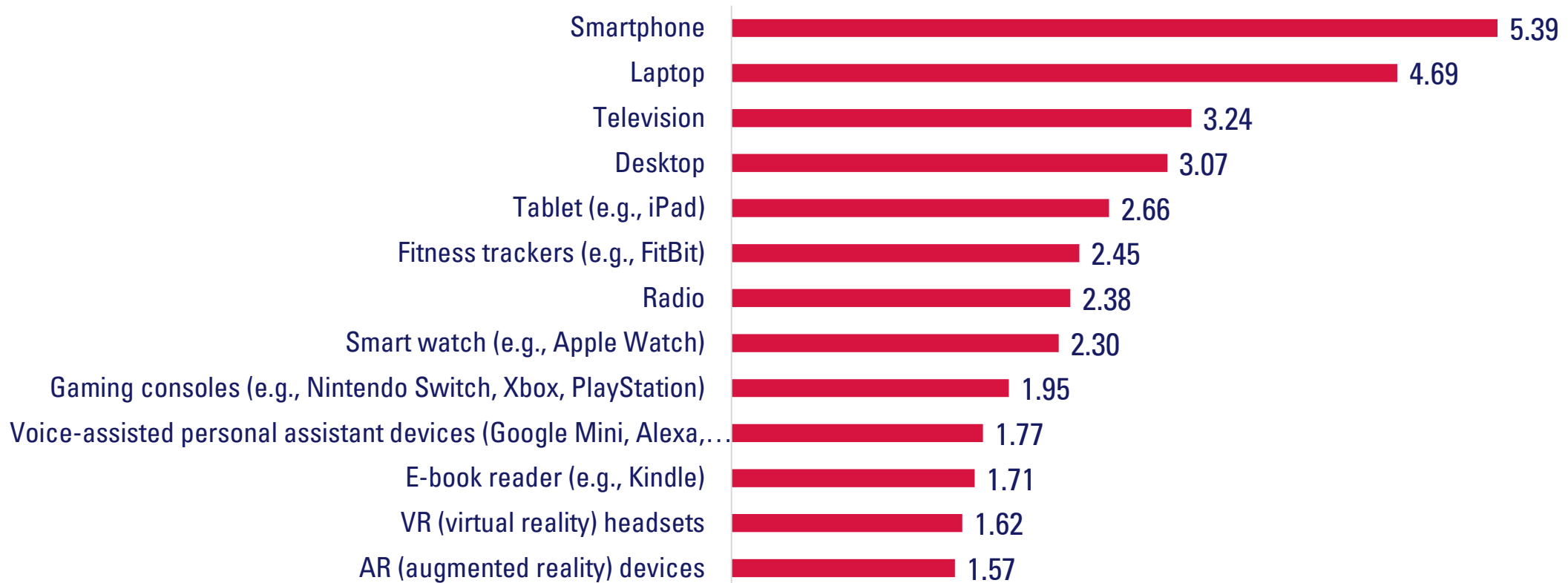




Number of Hours Spent on Media Devices

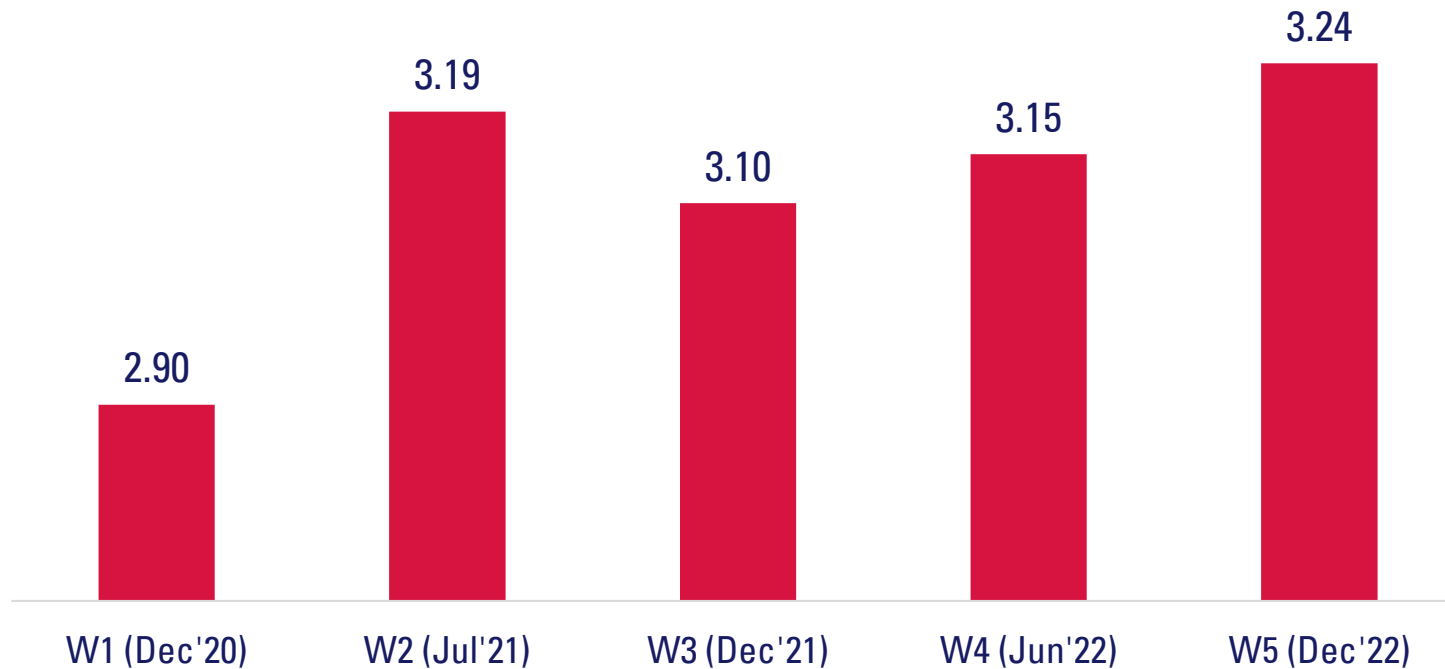
Hours Spent on Media Devices – Wave 5 (Dec'22)

*How many hours in a day do you spend actively using ...?
(From "0 hours" to "13 hours or more")*



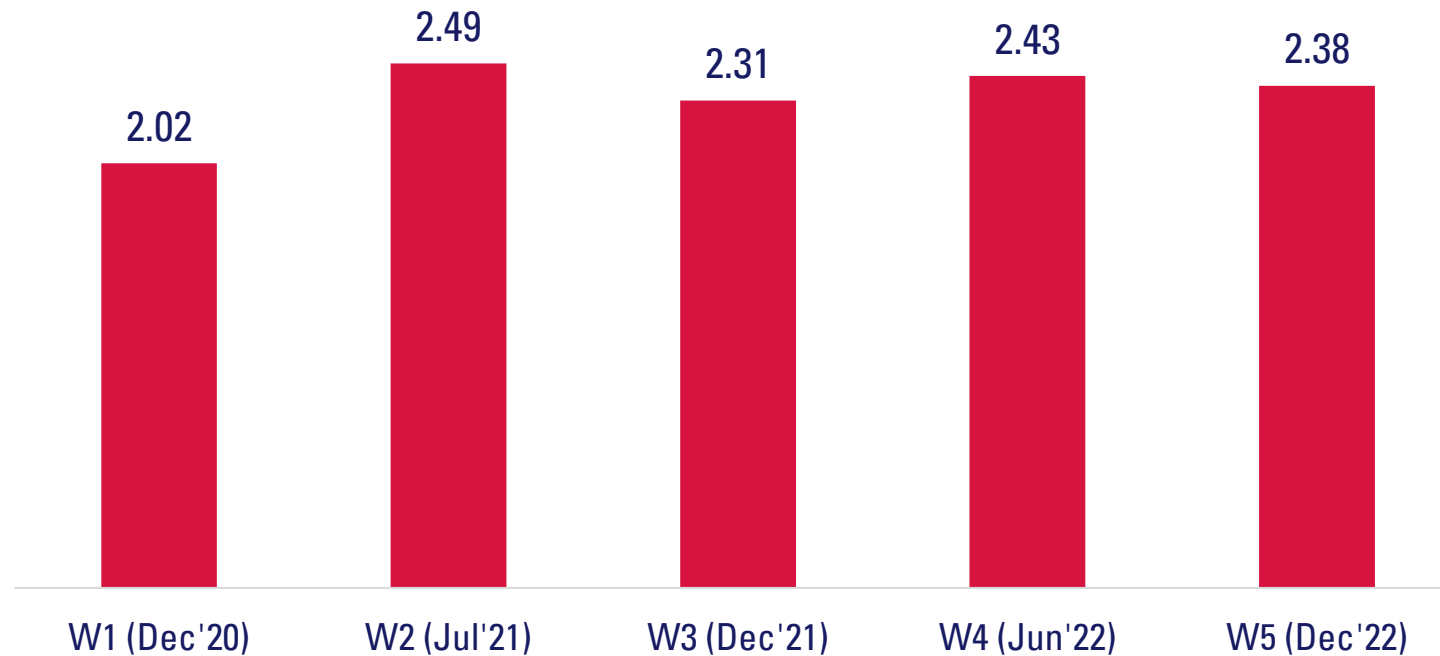
Hours Spent on Television

How many hours in a day do you spend actively using ...? – Television
(From “0 hours” to “13 hours or more”)



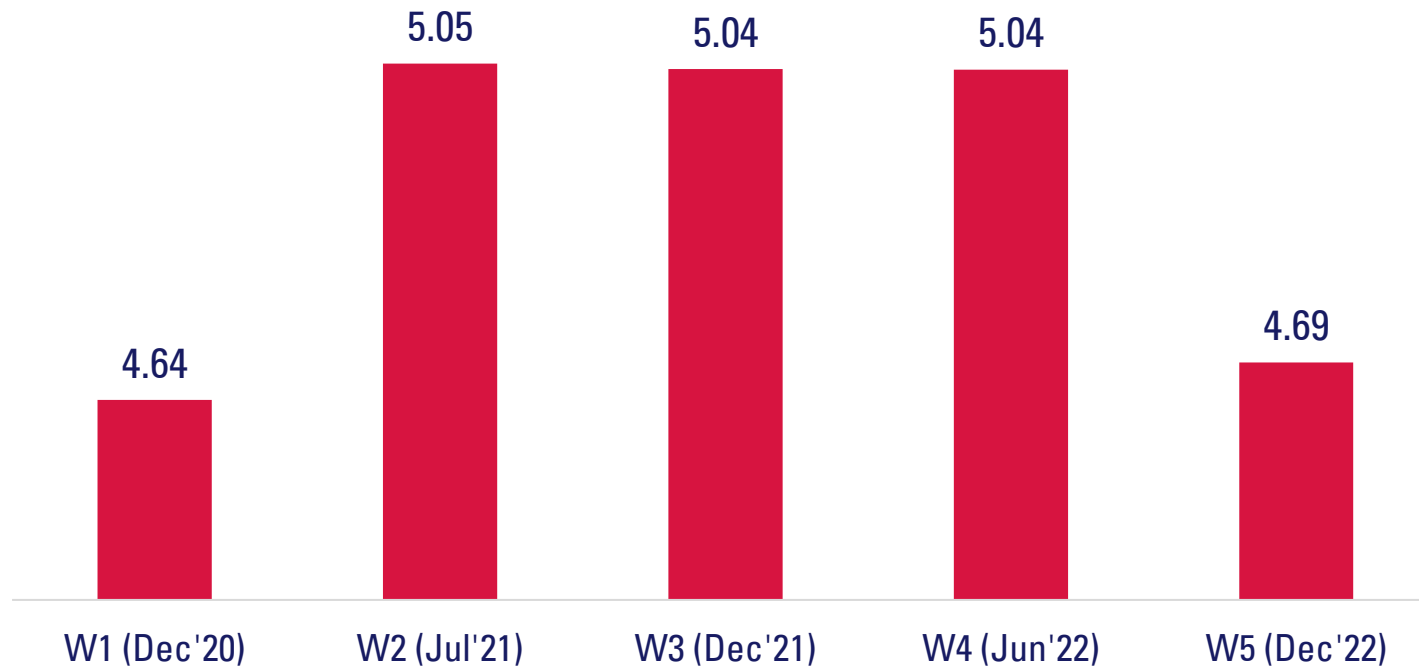
Hours Spent on Radio

How many hours in a day do you spend actively using ...? – Radio
(From “0 hours” to “13 hours or more”)



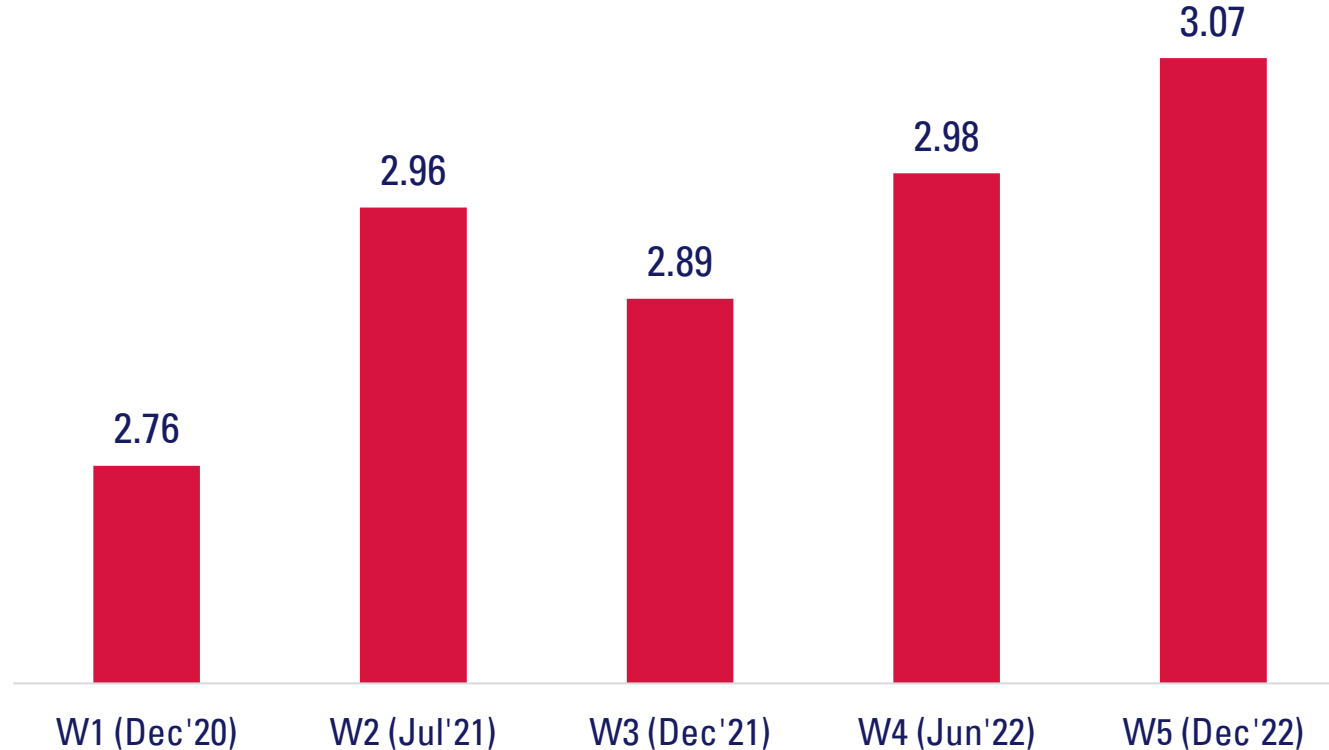
Hours Spent on Laptop

*How many hours in a day do you spend actively using ...? – Laptop
(From “0 hours” to “13 hours or more”)*



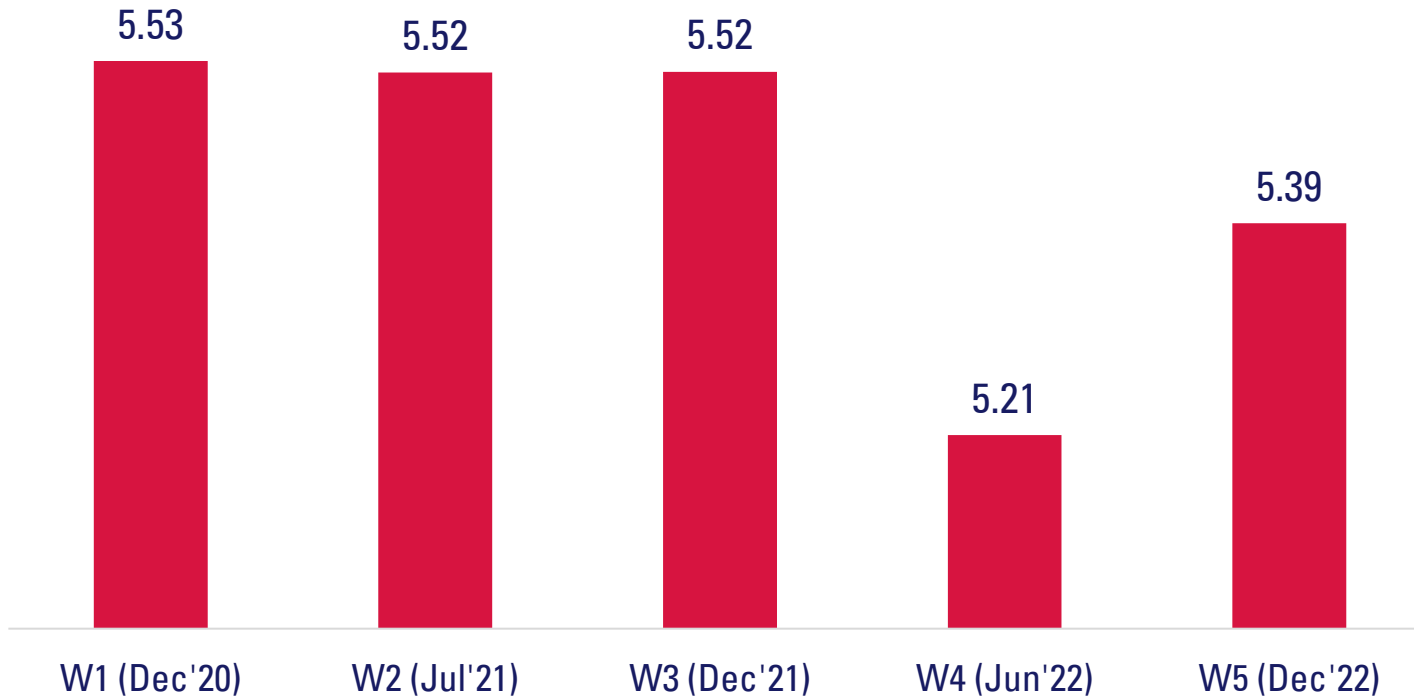
Hours Spent on Desktop

How many hours in a day do you spend actively using ...? – Desktop
(From “0 hours” to “13 hours or more”)



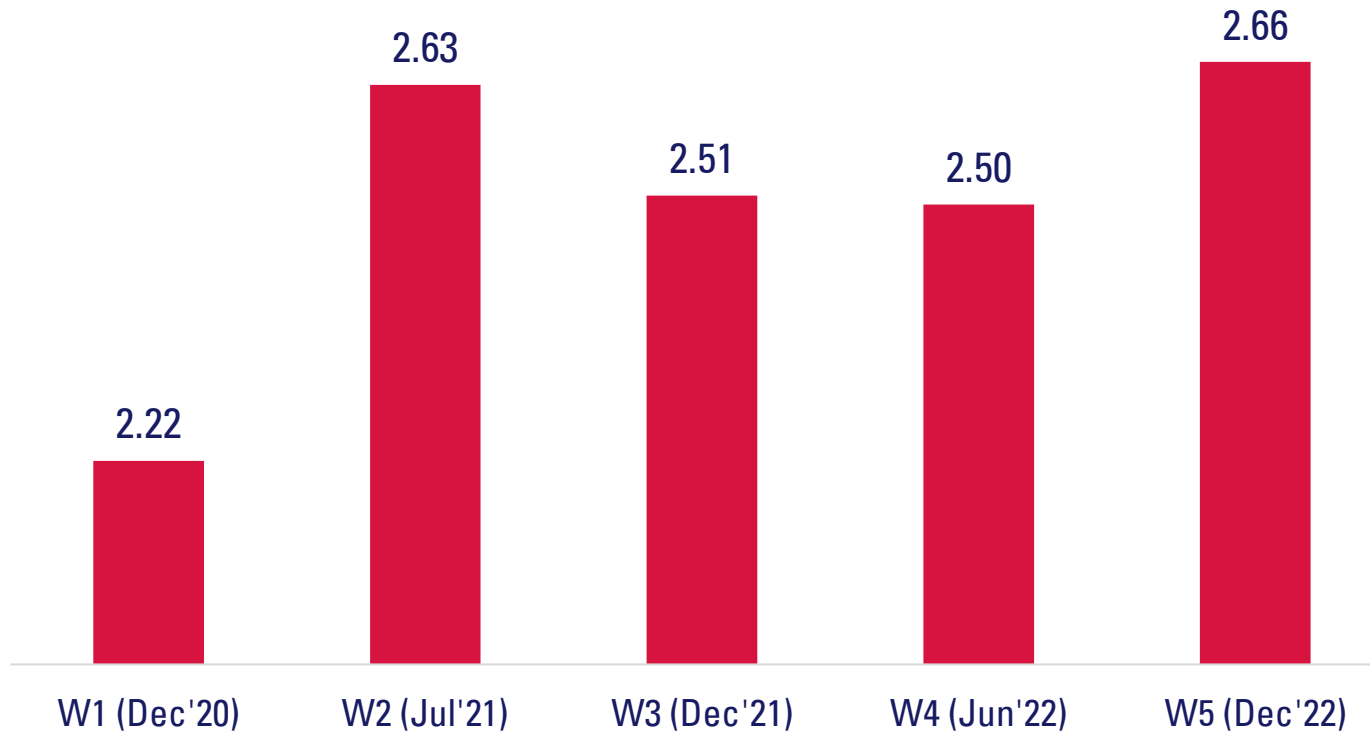
Hours Spent on Smartphone

*How many hours in a day do you spend actively using ...? – Smartphone
(From “0 hours” to “13 hours or more”)*



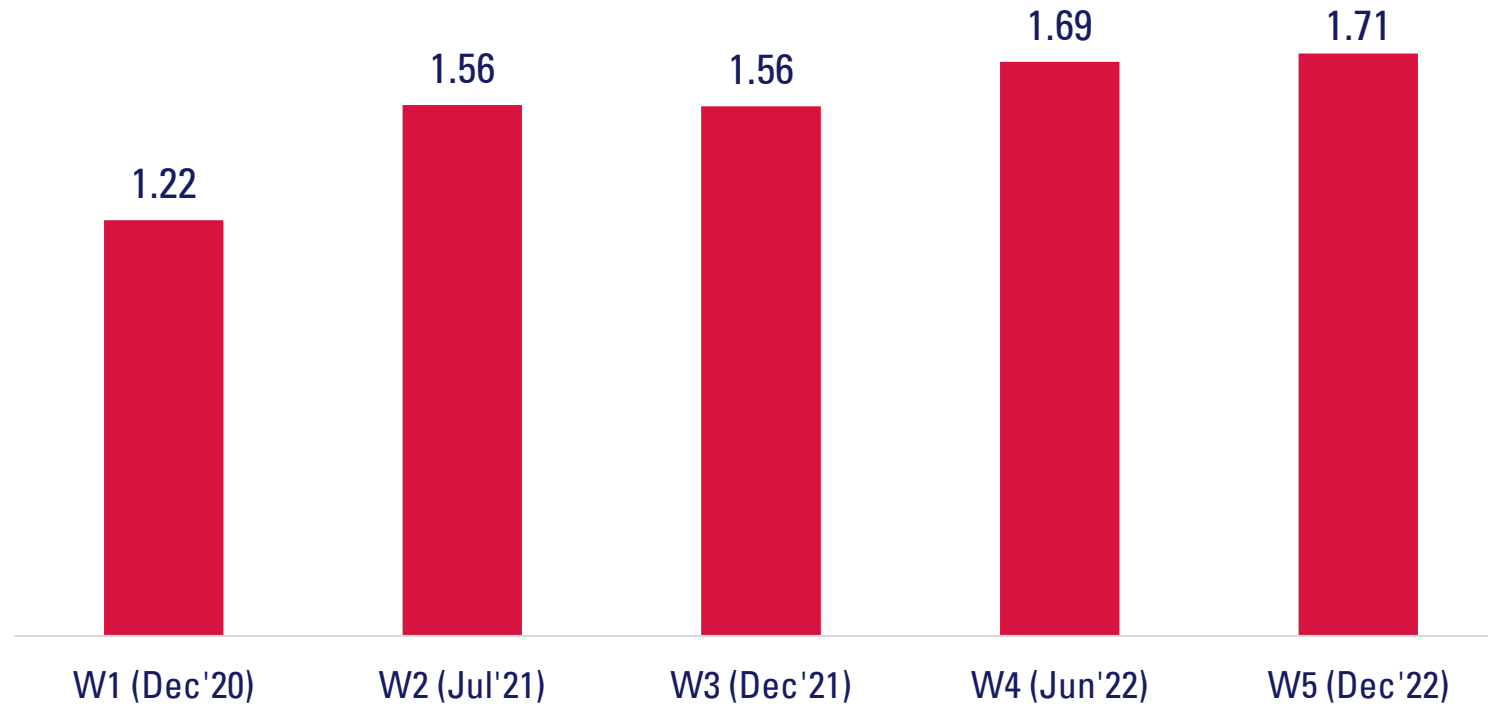
Hours Spent on Tablet

*How many hours in a day do you spend actively using ...? - Tablet (e.g., iPad)
(From "0 hours" to "13 hours or more")*



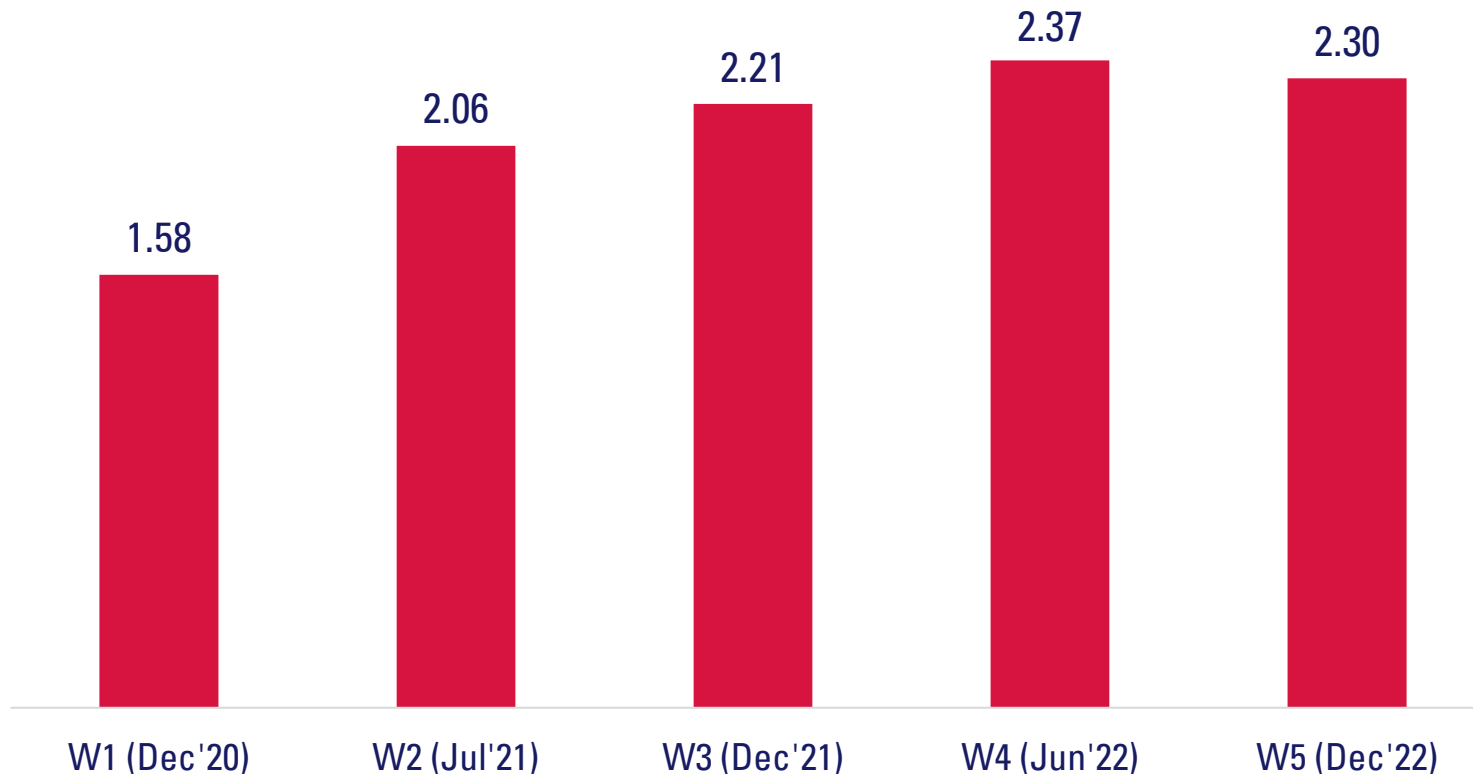
Hours Spent on e-Books

*How many hours in a day do you spend actively using ...? - E-book reader (e.g., Kindle)
(From "0 hours" to "13 hours or more")*



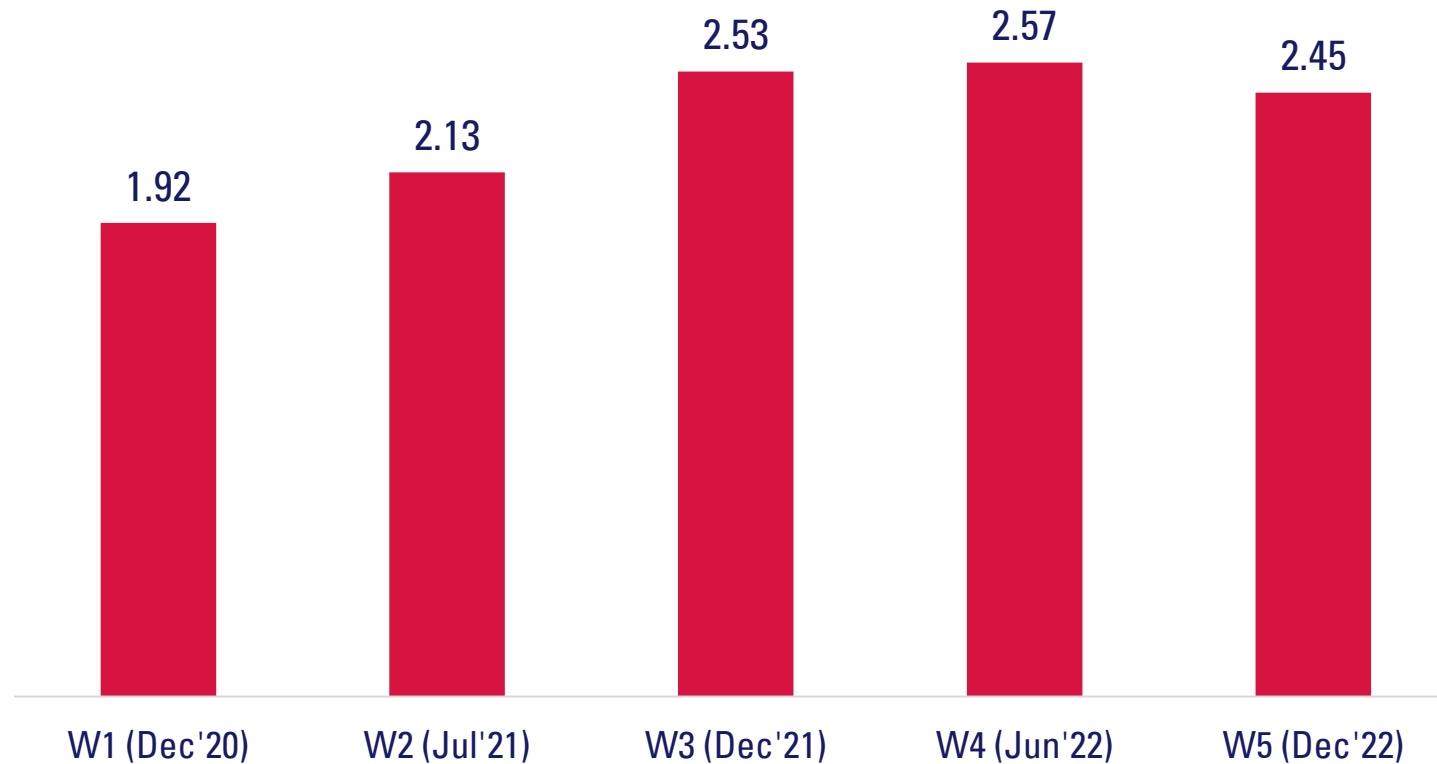
Hours Spent on Smart Watch

*How many hours in a day do you spend actively using ...? - Smart watch (e.g., Apple Watch)
(From "0 hours" to "13 hours or more")*



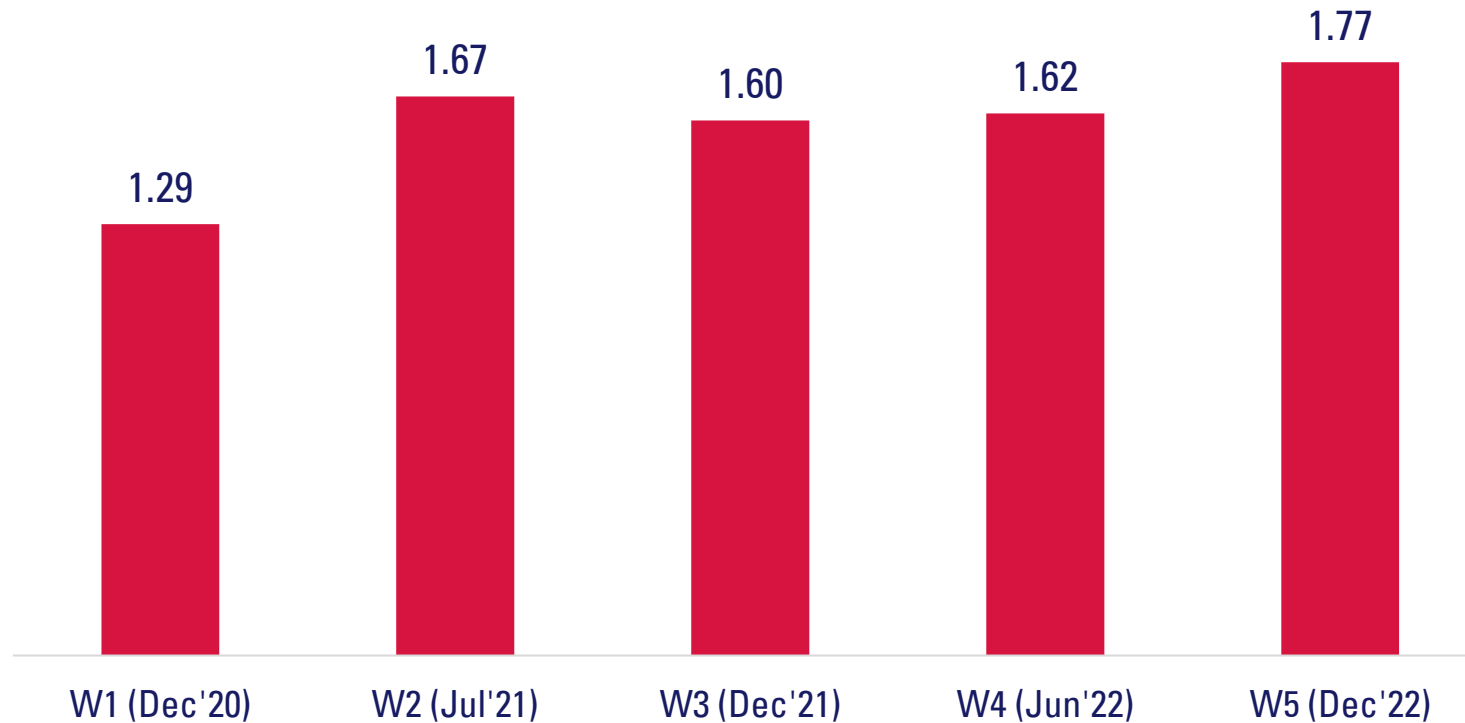
Hours Spent on Fitness Trackers

*How many hours in a day do you spend actively using ...? - Fitness trackers (e.g., FitBit)
(From "0 hours" to "13 hours or more")*



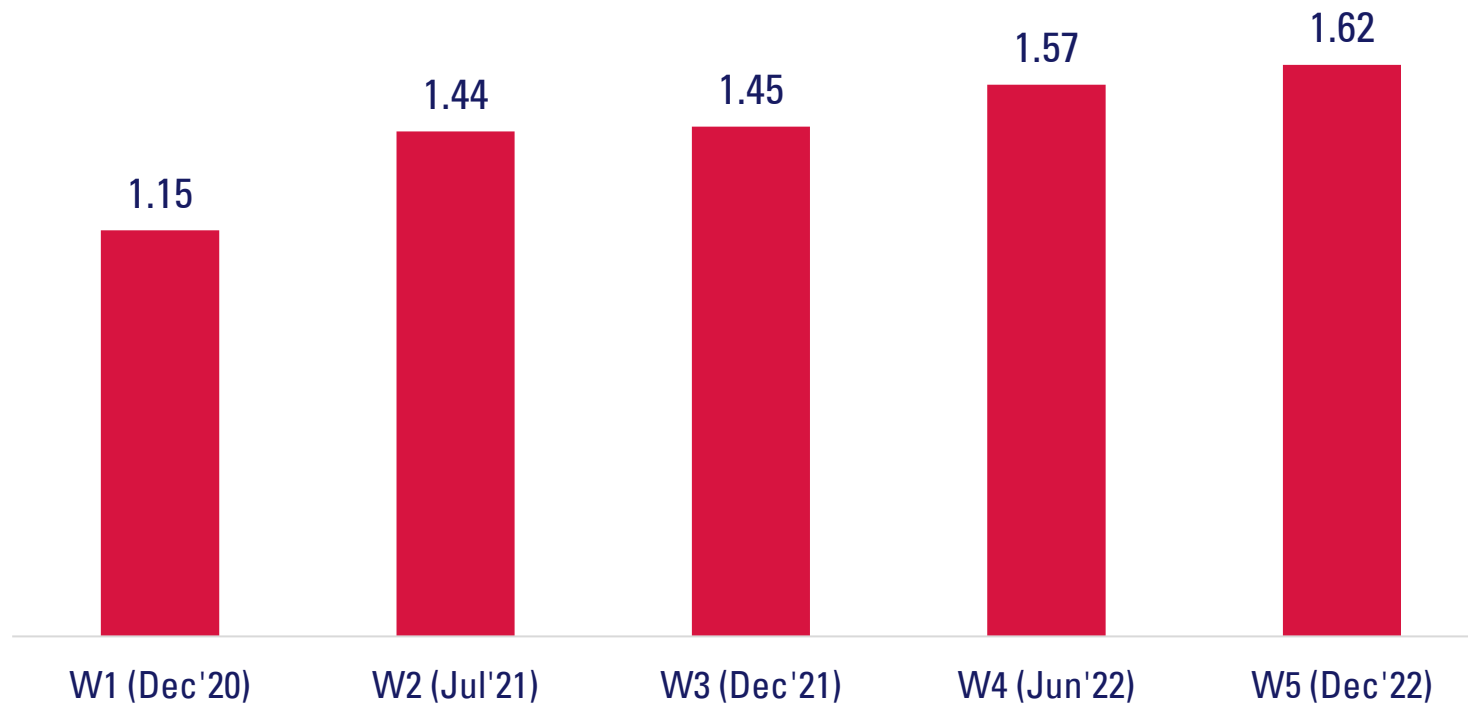
Hours Spent on VAPAs

*How many hours in a day do you spend actively using ...? - Voice-assisted personal assistant devices (Google Mini, Alexa, Amazon Echo etc)
(From "0 hours" to "13 hours or more")*



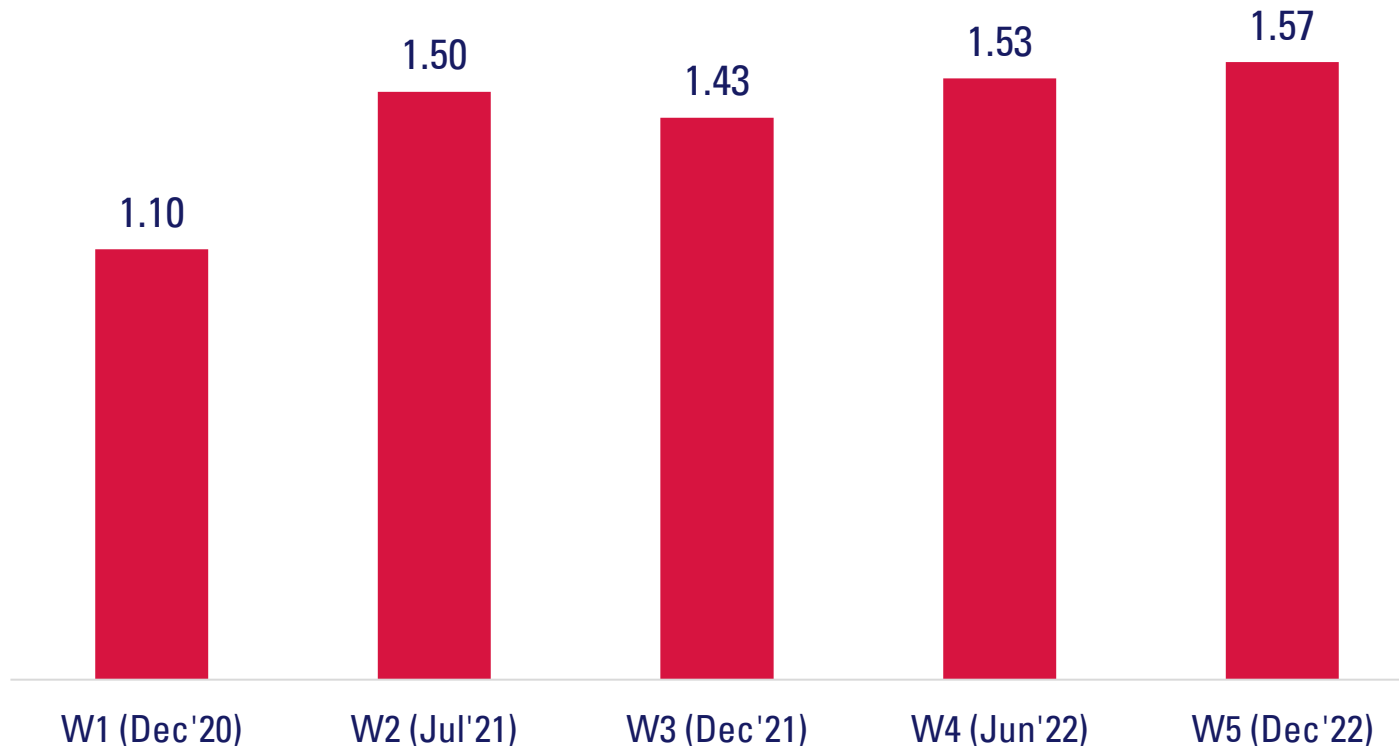
Hours Spent on VR

*How many hours in a day do you spend actively using ...? - VR (virtual reality) headsets
(From "0 hours" to "13 hours or more")*



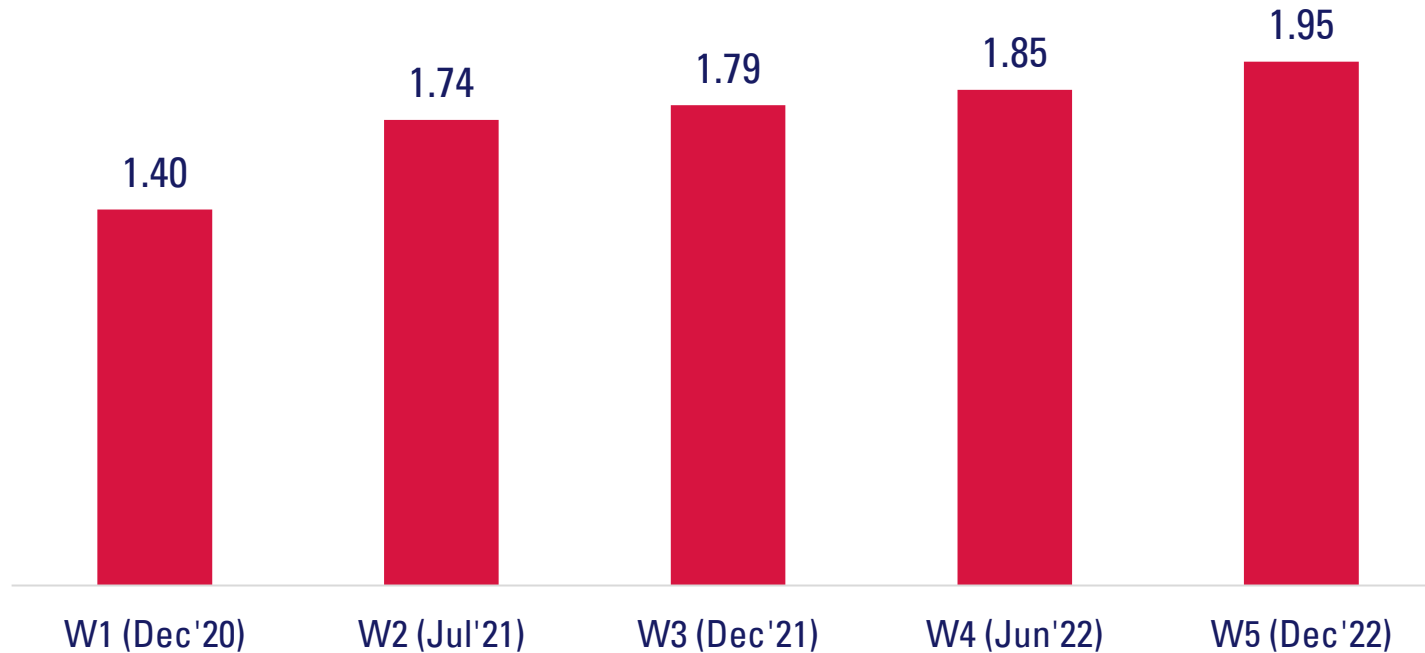
Hours Spent on AR

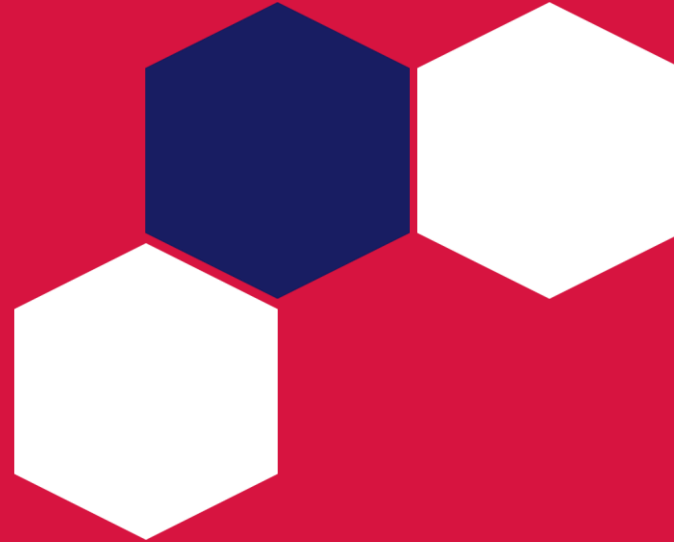
*How many hours in a day do you spend actively using ...? - AR (augmented reality) devices
(From "0 hours" to "13 hours or more")*



Hours Spent on Gaming Consoles

How many hours in a day do you spend actively using ...? - Gaming consoles (e.g., Nintendo Switch, Xbox, PlayStation)
(From "0 hours" to "13 hours or more")

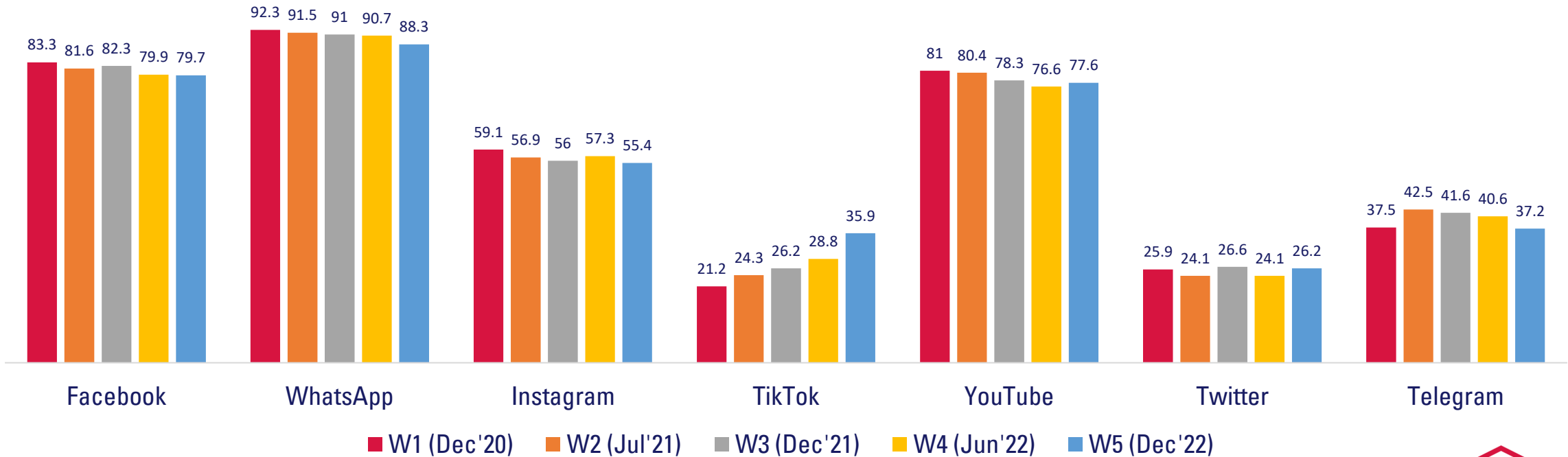




Social Media

Social Media Platforms

Which social media platforms are you currently using?





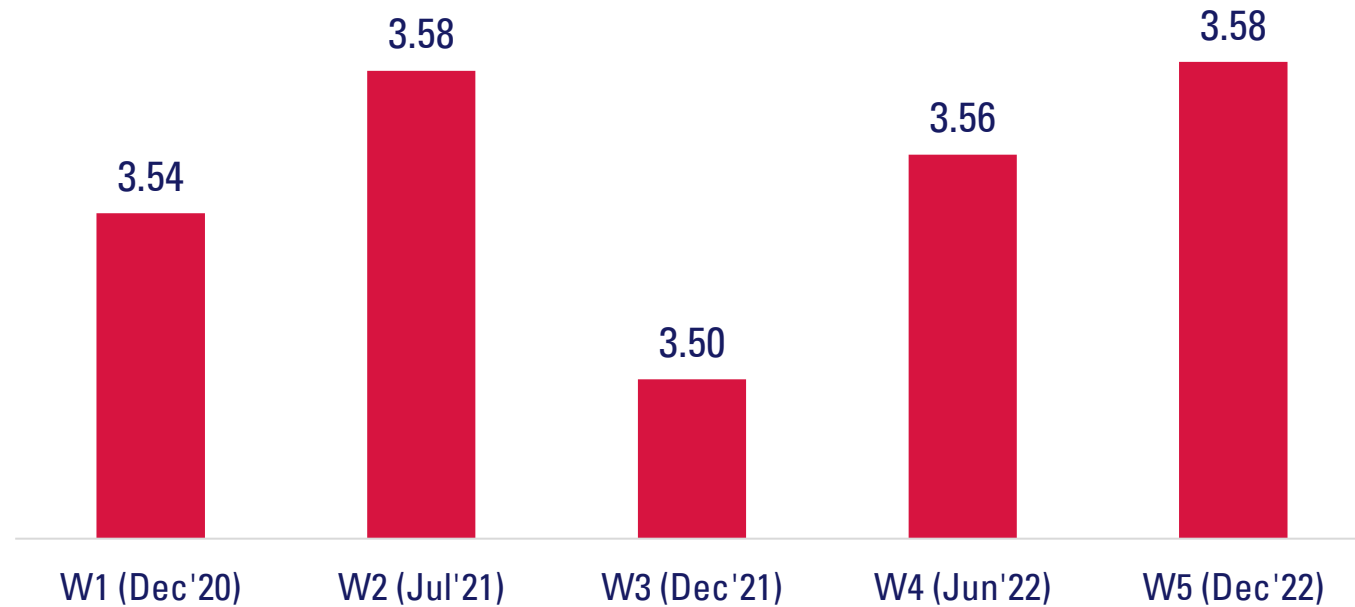
Information Integrity

Negativity

Thinking about ONLINE SOURCES of information in general, such as the internet and social media, how much do you agree or disagree with each of the following statements?

- There is so much negativity online right now.

(1 = Strongly disagree to 5 = Strongly agree)

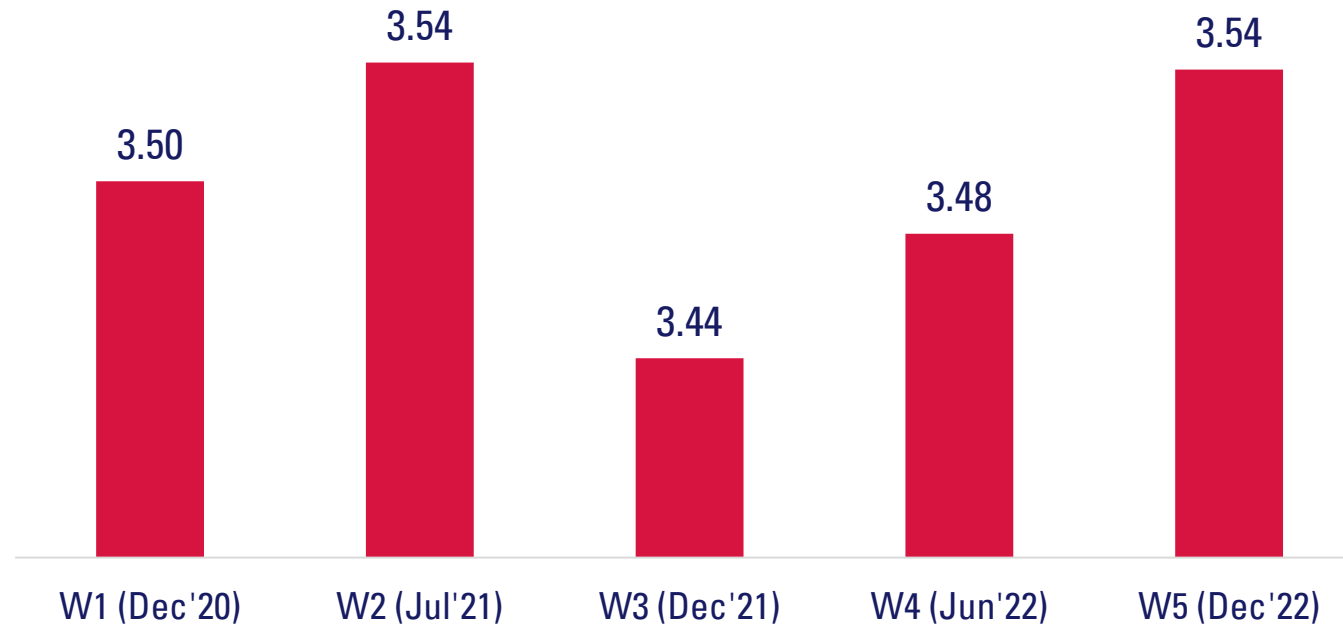


Hate

Thinking about ONLINE SOURCES of information in general, such as the internet and social media, how much do you agree or disagree with each of the following statements?

- There is so much hate online right now.

(1 = Strongly disagree to 5 = Strongly agree)

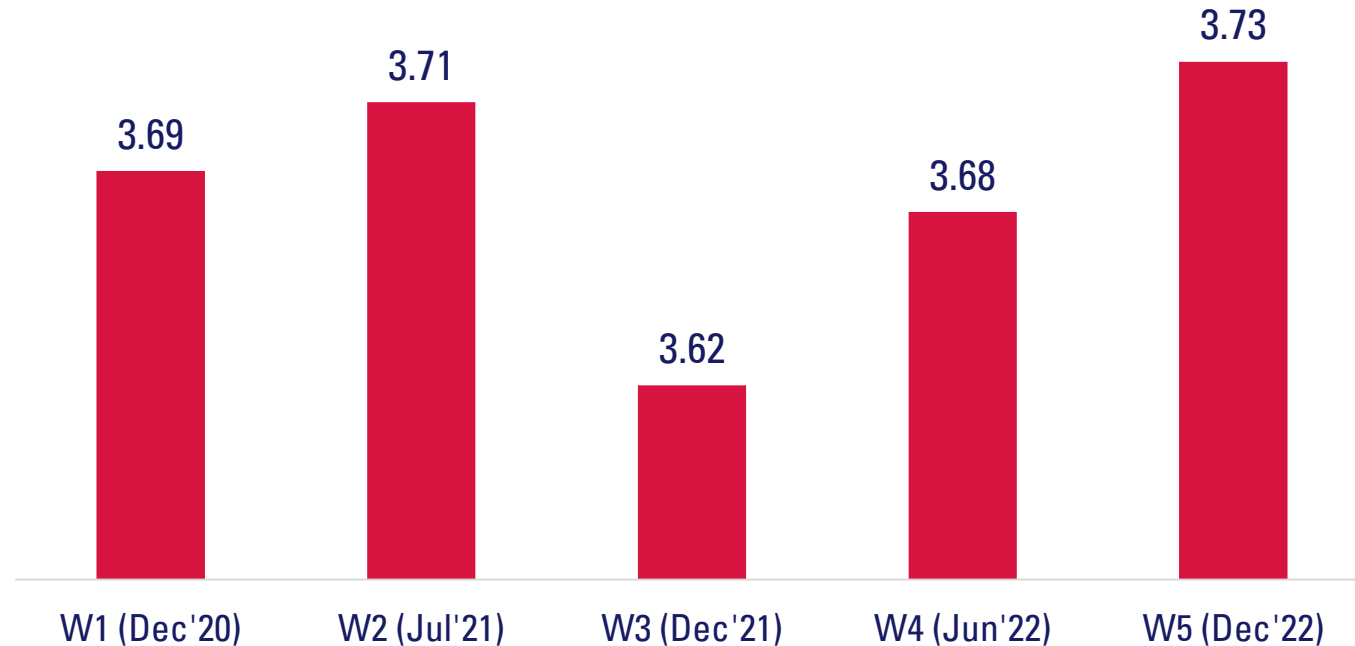


Fake News

Thinking about ONLINE SOURCES of information in general, such as the internet and social media, how much do you agree or disagree with each of the following statements?

- There is so much fake news online right now.

(1 = Strongly disagree to 5 = Strongly agree)

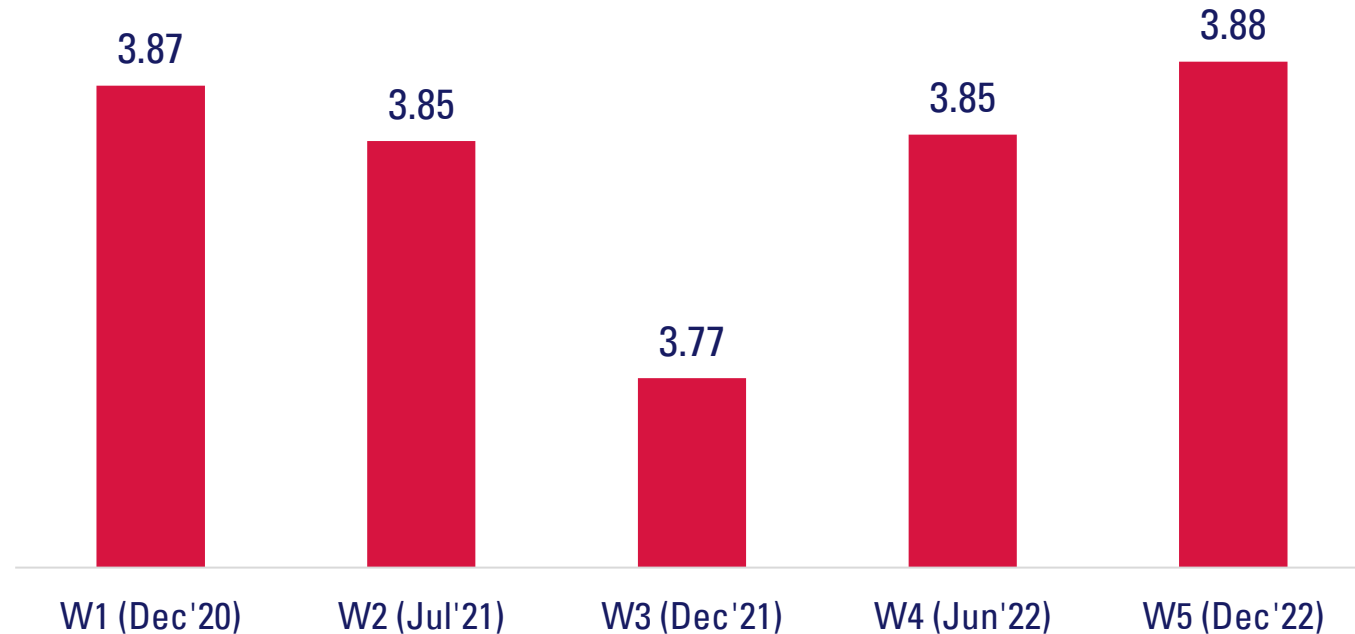


Privacy

Thinking about ONLINE SOURCES of information in general, such as the internet and social media, how much do you agree or disagree with each of the following statements?

- I am concerned about my privacy when I am online.

(1 = Strongly disagree to 5 = Strongly agree)

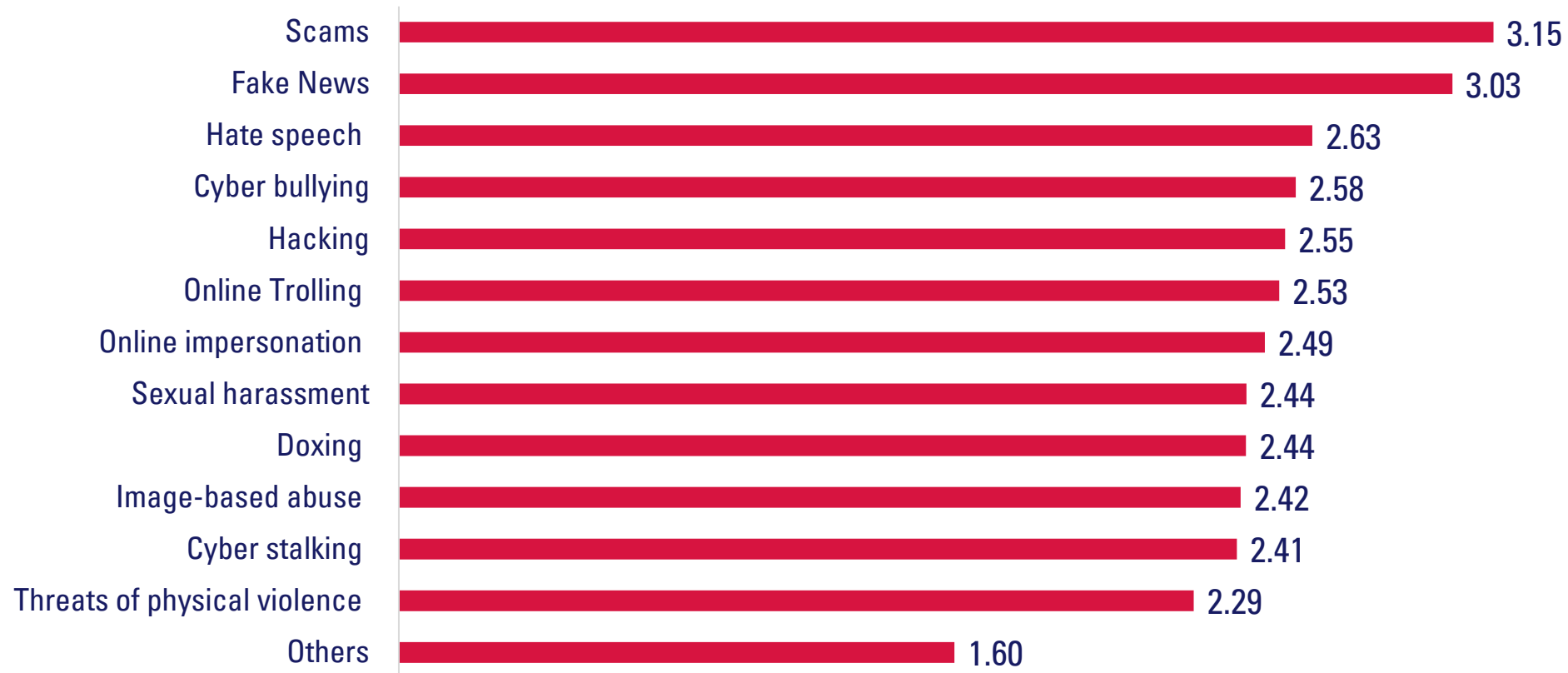




Witnessing Online Harms

Witness Online Harms – Wave 5 (Dec'22)

*How often do you witness the following online?
(1 = Never to 5 = Very often)*



Demographics

Demographics

	Wave 1	Wave 2	Wave 3	Wave 4	Wave 5
Total sample size	1,606	800	1,016	992	1,016
Average age (Years)	40.1	41.9	42.3	42.2	42.5
<u>Citizenship</u>					
Singapore Citizen	1337	699	892	880	916
Singapore Citizen	194	90	111	100	81
Foreigner	75	11	13	12	19
<u>Ethnicity</u>					
Chinese	1211	683	849	839	756
Malay	214	63	88	78	145
Indian	109	39	51	50	81
Others	72	15	28	25	34
<u>Gender</u>					
Male	814	409	526	514	547
Female	792	391	488	477	466
Others	-	-	2	1	3
<u>Highest Education Qualification</u>					
No formal education	5	3	5	5	2
Primary School (PSLE)	19	13	11	23	11
'O' Level	165	76	96	95	97
'A' Level	71	34	48	40	56
Diploma/ Advanced diploma	341	169	210	213	215
Bachelor's Degree	802	406	521	490	514
Master's Degree	183	84	104	109	105
Doctorate	20	15	21	17	16

Wave 2 onwards: Each wave is inclusive of participants from the previous wave(s)

For more information

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