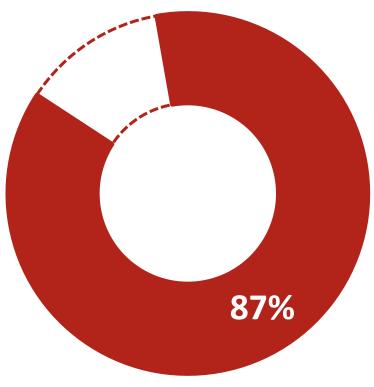
Covid Impact on Consumer Media Usage March-April 2020

Nearly 9 in 10 U.S. consumers report higher media content consumption since the Coronavirus outbreak



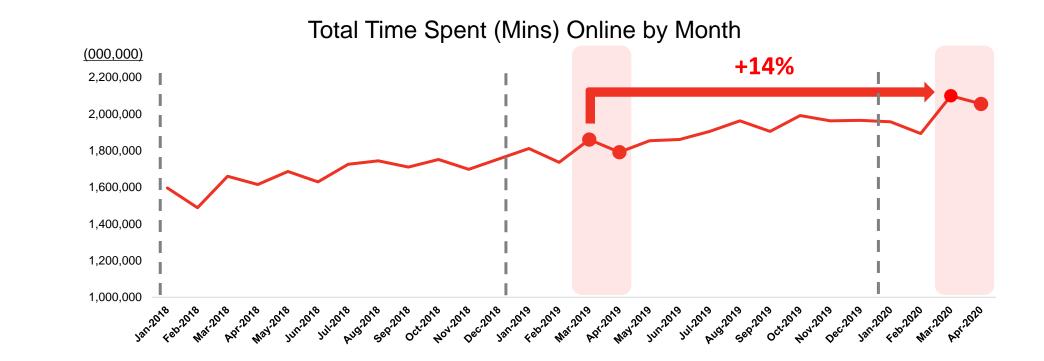
(End of March vs. Pre-outbreak)





Average time spent on Digital spiked when consumers began home quarantine

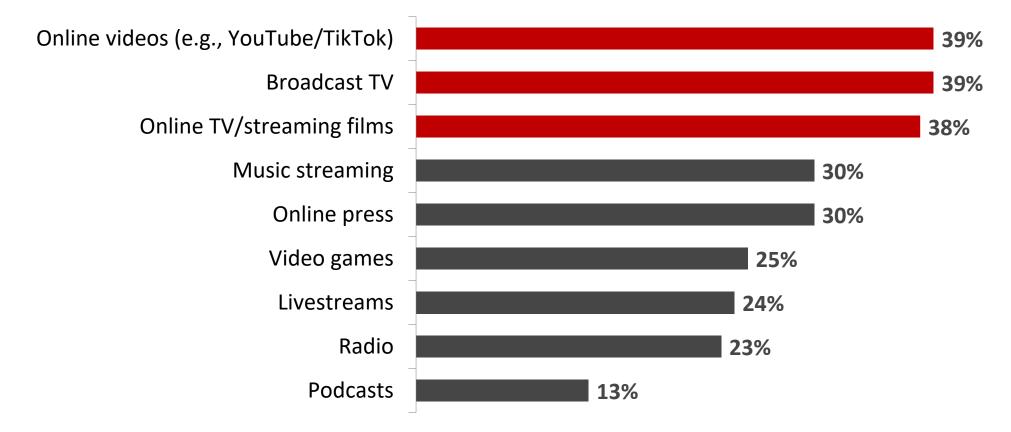
Consumers spent 14% more time online in March-April 2020 Y/Y (vs. March-April 2019)



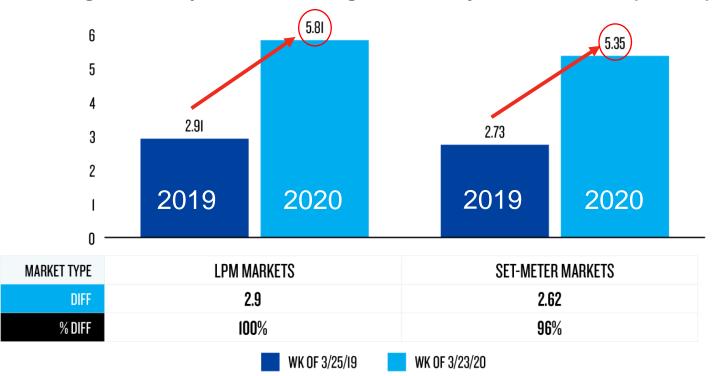
ComScore US Media Metrix Multi-Platform, Total Audience (28 Mos. Jan '18--Apr'20)



% Who Say They've Started Consuming/Are Consuming More Since the Outbreak



Video streaming on Internet connected devices has increased ~100% y/y



Average Time Spent Streaming YoY in Key U.S. Markets (Hours)

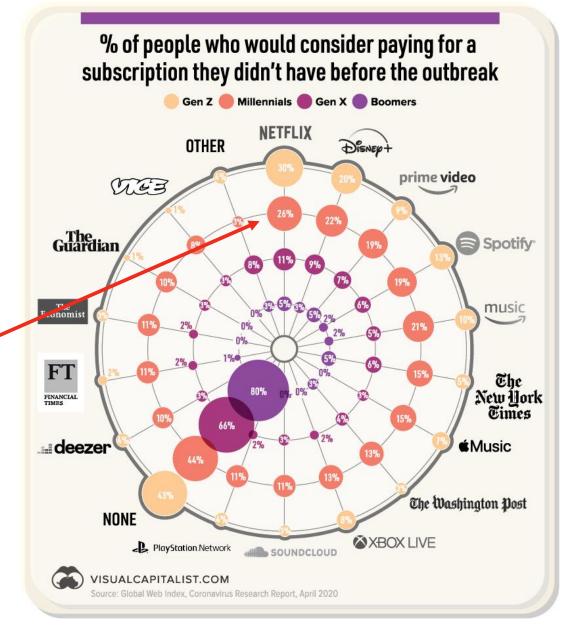
Source: Live+SD, M-Su 4a-1a Weighted Average across 25 LPM +PPM markets, 19 SM+PPM+NPM and 12 SM+RPD+NPM markets. (Data provided is exclusive to People Meter and Set-Meter homes. Data represents full DMA coverage.) Internet Connected Device Usage (any non-linear video from a connected device or enabled Smart TV)



Media subscriptions are increasing across generations, platforms and genres...

"...people are more inclined to invest in new subscription services since they have been in isolation, with almost one-third of Gen Zers considering purchasing Netflix, followed by Disney+." –VisualCapitalist.com

> 26% of Millennials report considering paying for a new subscription to Netflix



...Driving an increase across a wide range of content and topics

From news searches, to music, movies, shows and games, consumers across generations are substantially increasing online activity

> Nearly half (49%) of all consumers report an increase in movie and TV show viewing during quarantine

Quarantine Internet Activities, %						
0%	25%		50%		75%	
Searching for coronavirus/ COVID-19 updates		All 68	Gen Z	Millennials 71	Gen X 69	Boomers
Listening to music	0	58	71	62	54	38
Watching movies/shows	ŏ	49	51	52	51	34
Watching funny videos	ĕ	42	52	44	39	27
Playing games on mobile	Ŏ	40	47	45	36	34
Looking at memes	ă	32	54	41	21	9
Playing games on PC/laptop	0	29	29	36	25	25
Searching for cooking recipes		28	21	35	29	21
eading business & finance articles/news	Ð	27	14	35	28	21
Searching for discounts from brands	\bigcirc	24	22	28	23	23
Reading healthy eating articles		24	19	31	22	16
Reading sports news	0	23	16	32	19	24
Reading celebrity news	\bigcirc	22	25	25	19	
Listening to podcasts		18	16	26		
Watching fitness videos	(O)	18	18	24	17	
Searching for fashion trends/discounts		16	14	23	13	
Reading live blogs		15	12	22	13	
Watching esports videos/livestreams		12	14	20		
Searching for vacations	()	12	11	18		
Watching webinars	8	11		16		
I'm trying to stay off the internet		5				



VISUALCAPITALIST.COM

Source: Global Web Index, Coronavirus Research Report, April 2020

Source: <u>Visual Capitalist, April 2020</u>

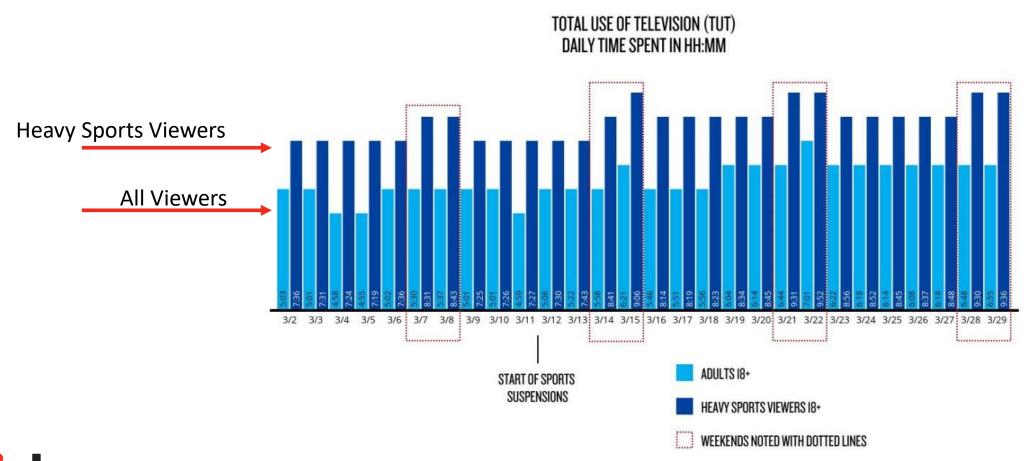




Heavy sports viewers have reallocated their viewing time to other video content

DAILY TIME SPENT FOR TOTAL USE OF TELEVISION

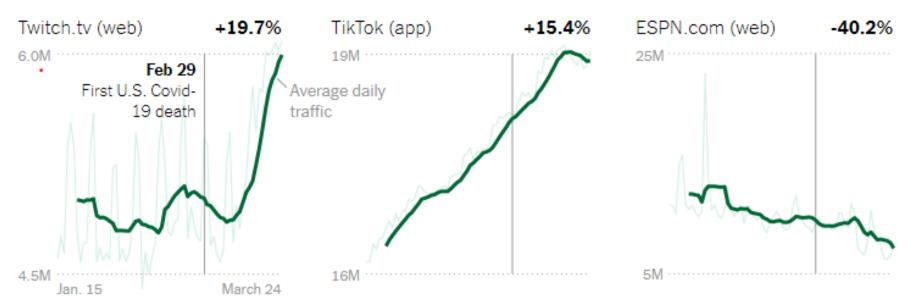
Hours:Minutes



*Total Use of Television (TUT) is inclusive of Live+Time-shifted TV, DVD, Video Game Consoles and Internet Connected Devices

...And particularly to gaming and social video apps

Video games have been gaining while sports have lost out

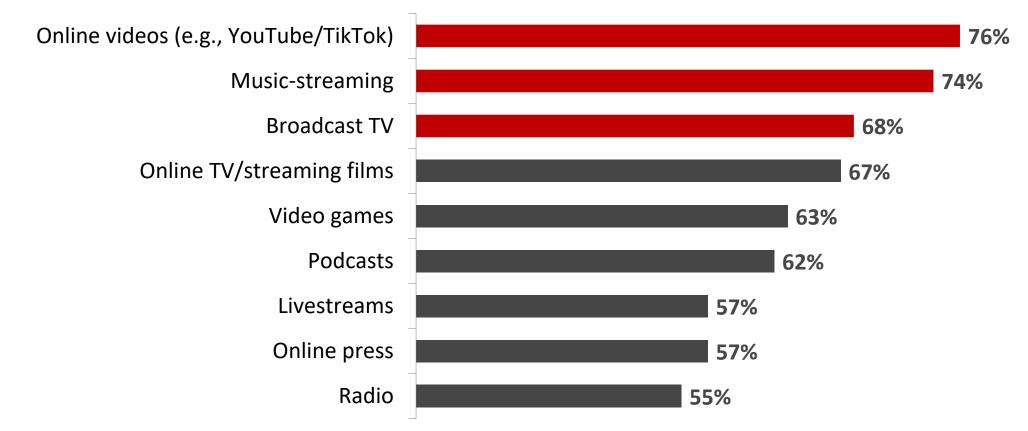


Percent change is from the average on Jan. 21 to the average on March 24. One user can have multiple sessions in a day. • Sources: SimilarWeb, Apptopia

Post Coronavirus, consumers intend to continue high media usage

Online video and music-streaming are likely to have the greatest staying power after the outbreak ends

% Who Say They're Currently Consuming More, And Plan to Continue Doing So After the Outbreak

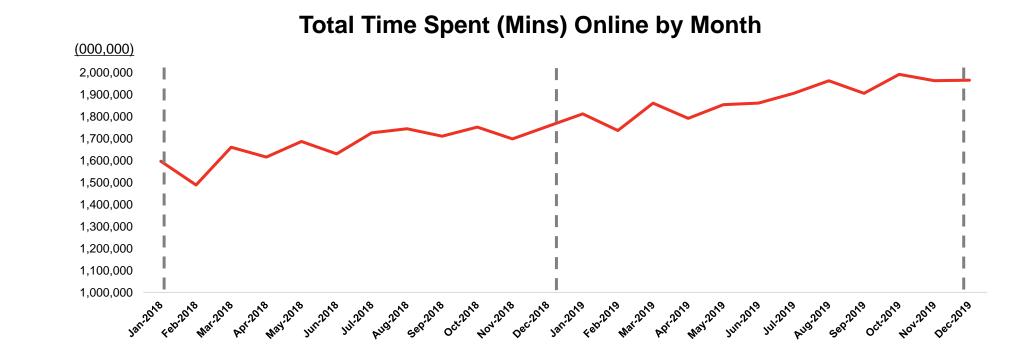


2019 Consumer Usage Trends



Time spent on Digital increased 13% in 2019 while the overall universe of users remained roughly flat (+2%)

U.S. audience increased to 262M vs. 257M in 2018 (+2%)

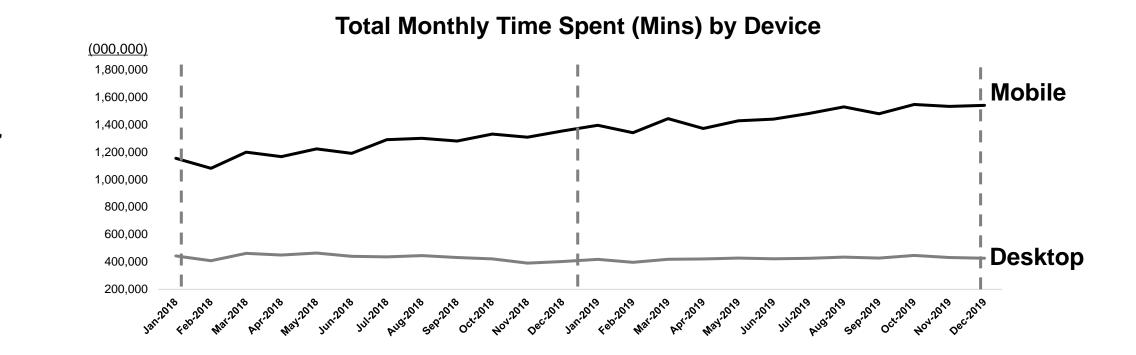


ComScore US Media Metrix Multi-Platform, Total Audience (24 Mos. Jan '18--Dec '19)



Mobile continues to erode time spent with Desktop

Time on Mobile rose 18% in 2019 vs. 2018; Desktop dropped 2% in the same period

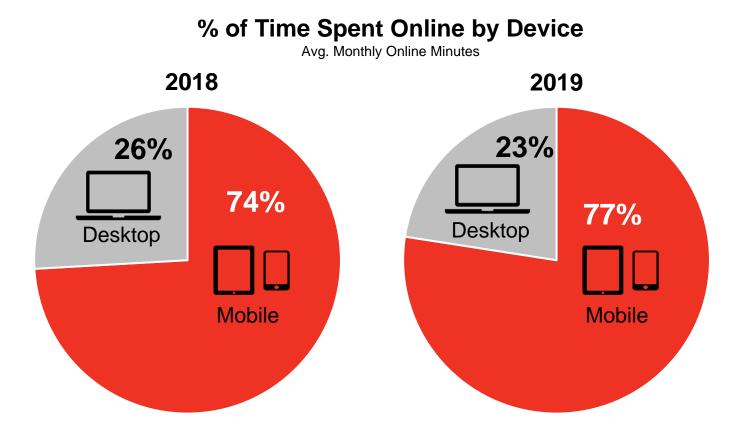


ComScore US Media Metrix Multi-Platform, Total Audience (24 Mos. Jan '18--Dec '19)



More than three-quarters (77%) of all Internet time is spent on a Mobile device

- In 2019, Mobile increased share from 74% to 77% while Desktop lost share, dropping to 23% from 26%
- Over two-thirds (67%) US Digital users access the Internet across both Mobile and Desktop

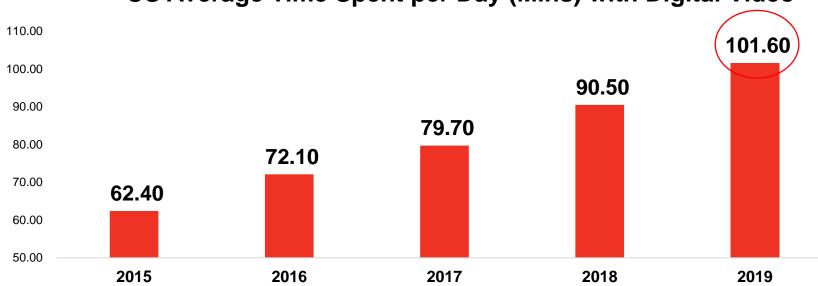


ComScore US Media Metrix Multi-Platform, Total Audience (24 Mos. Jan '18--Dec '19)



U.S. Adults spent 12% more time on Digital Video in 2019

It is important to note, that while Social grew by 1% y/y we know Social is a key driver of digital video



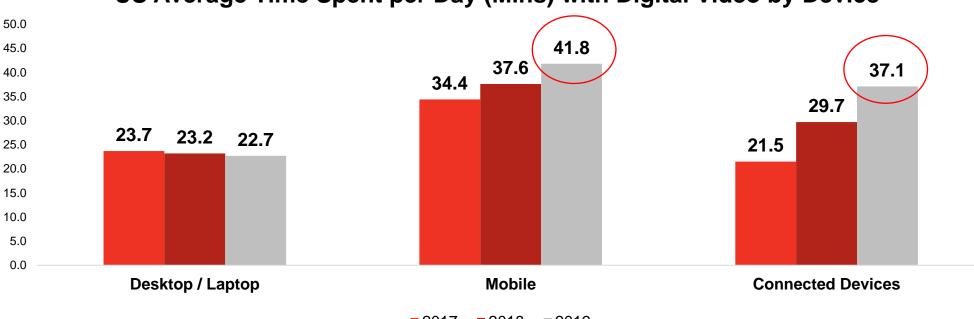
US Average Time Spent per Day (Mins) with Digital Video

eMarketer, April 2020



Ages 18+; includes all time spent with online video activities, regardless of multitasking; includes viewing via desktop/laptop computers, mobile (smartphones and tablets) and other connected devices (game consoles, connected TVs or OTT devices)

Up 11% and 25% respectively, Mobile and Connected Devices continue to stimulate growth in Video viewing



US Average Time Spent per Day (Mins) with Digital Video by Device

2017 2018 2019

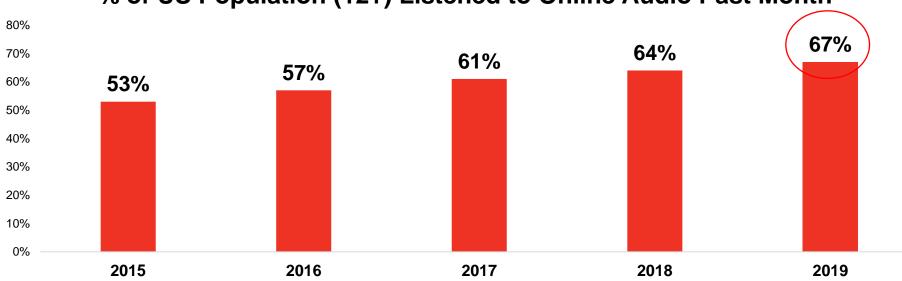


eMarketer, April 2020

Ages 18+; includes all time spent with online video activities, regardless of multitasking; includes viewing via desktop/laptop computers, mobile (smartphones and tablets) and other connected devices (game consoles, connected TVs or OTT devices)

The Digital audio universe continues to expand (5% y/y)

Over two-thirds (67%) of people age 12+ are estimated to be listening to online audio in 2019



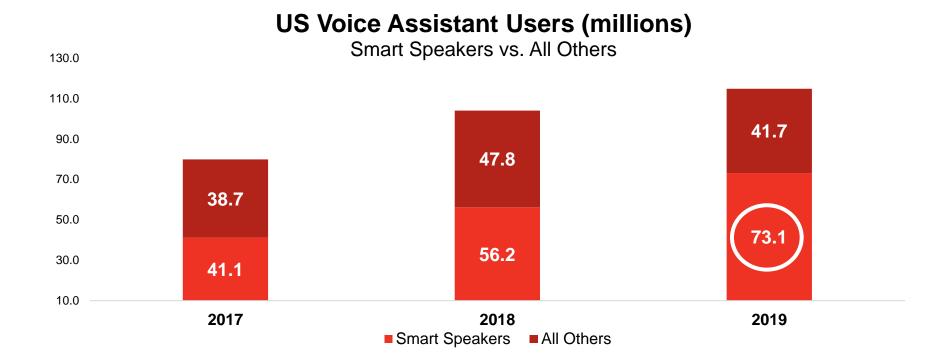
% of US Population (12+) Listened to Online Audio Past Month

The Infinite Dial 2020, Edison Research & Triton Digital; Universe = 282M US population (12+)



IoT: Voice Assistant Usage in the US is growing y/y (10%)

Smart Speaker users represent over two-thirds of all Voice Assistant Users in 2019

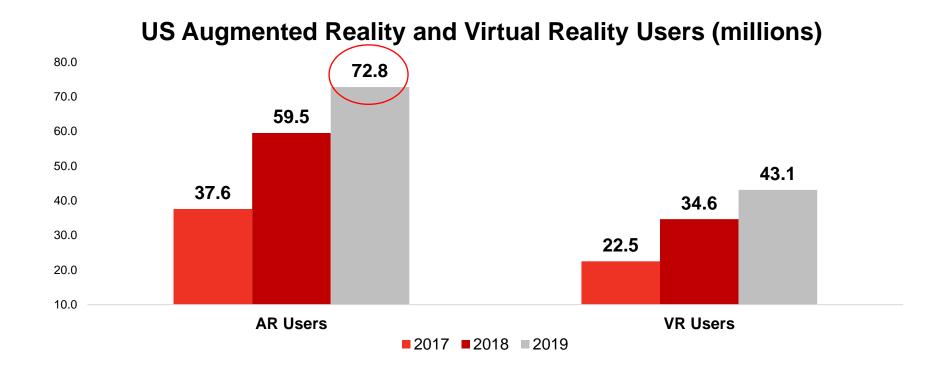


eMarketer, December 2019



Both Augmented Reality and Virtual Reality are growing in usage y/y

AR is up 22% in 2019 vs. 2018; VR grew 24% in the same period



eMarketer, February 2020



Virtual reality users are individuals of any age who experience VR content at least once per month via any device; augmented reality users are individuals of any age who experience AR content at least once per month via any device.

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