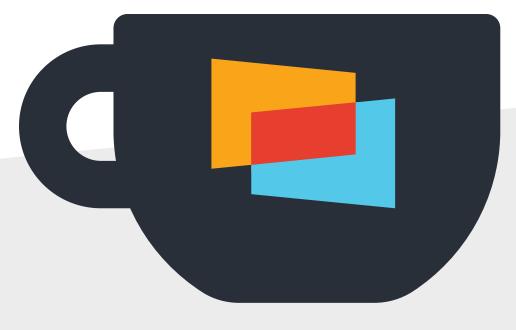


Understanding Media Consumption During the COVID-19 Pandemic

Jeff Sarault

SENIOR SALES DIRECTOR
INDEPENDENT AGENCY/ADVERTISER





Our intention for today's webinar is to discuss:

- What are the macro trends that Comscore has observed in media consumption?
- What is the impact on advertising and content and how can you adjust?
- How can you learn more information from Comscore as quickly as possible?
- Q & A



As the global novel Coronavirus crisis grows, consumers are making significant changes to the way they interact with content and advertising across platforms.

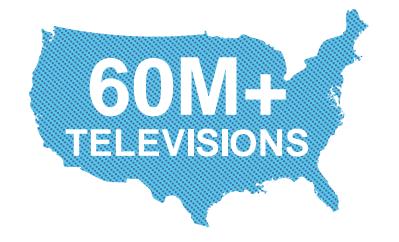
- Comscore will be providing ongoing updates on shifting consumption trends and the resulting impacts on the advertising and media industries.
- Here are some of the insights we have been able to observe to date:





Television Observations

A brief overview of Comscore's TV measurement





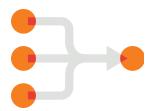








- 30M+ Households
- All U.S. Local Markets and 250+ Networks
- 1 out-of-every 4 U.S. Television Homes Directly Measured by Comscore







Matched in a privacy-focused manner



Deeper demographic segments



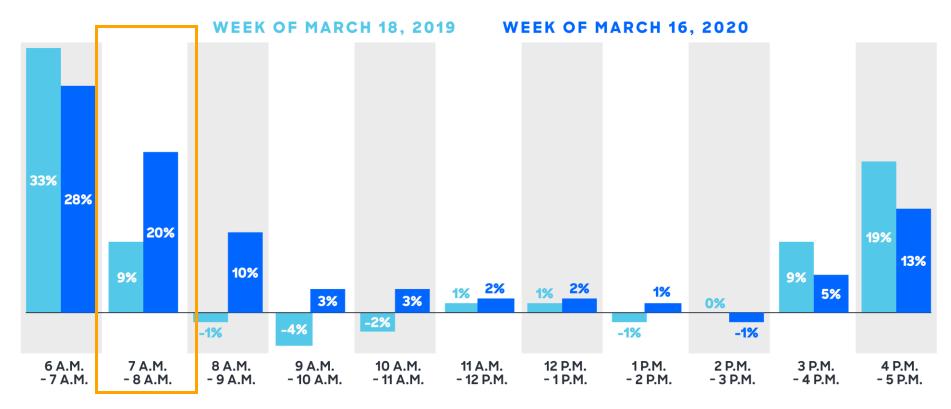
Weighted and balanced at the ZIP code cluster level



The impact of "stay at home" mandates is evident when examining hour-by-hour growth in 2020 compared to 2019

Hour-by-hour growth in viewing levels in select local markets*

WEEK OF MARCH 18, 2019 VS. WEEK OF MARCH 16, 2020

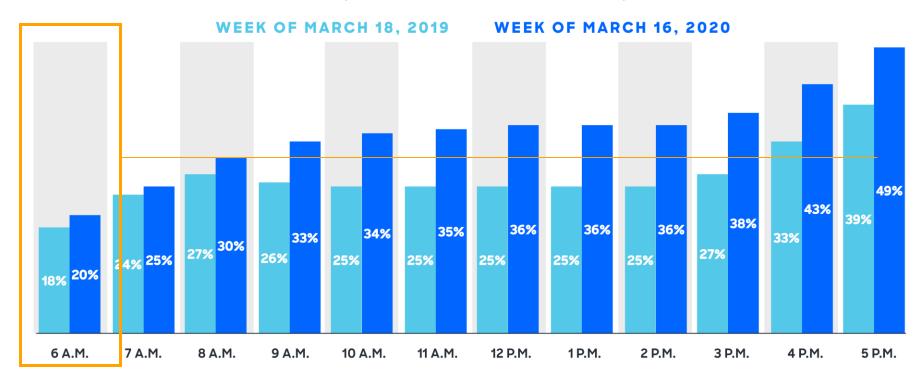




Local TV viewing is up overall compared to the same week in 2019, especially daytime and early fringe viewing

Viewing levels at hourly increments in select local markets*

SETS IN USE WEEK OF MARCH 18, 2019 VS. WEEK OF MARCH 16, 2020





Viewing of the big four broadcast networks has increased nearly 19% vs. the same week in 2019

Live TV Viewing by Daypart Aggregate of Four Broadcast Networks

MARCH 16-20, 2020

	% CHANGE VS. PRIOR WEEK	% CHANGE VS. SAME WEEK IN FEB.	% CHANGE VS. SAME WEEK IN 2019
ALL DAY	7.6%	12.6%	18.5%
DAYTIME	22.6%	28.4%	31.3%
EARLY FRINGE	17.6%	21.5%	35.2%
EARLY MORNING	2.6%	5.4%	7.9%
LATE FRINGE	-10.7%	1.6%	5.3%
OVERNIGHT	-12.3%	-7.9%	-1.5%
PRIME	-0.7%	3.5%	9.4%
PRIME ACCESS	9.5%	7.3%	12.3%



Viewing of cable news networks increased 73% vs. the same week in 2019

Live TV Viewing by Daypart Aggregate of Seven Cable News Networks

MARCH 16-20, 2020

ALL DAY 7.8% 39.8% DAYTIME 24.5% 68.3%	73.4% 102.6%
DAYTIME 24.5% 68.3%	102.6%
EARLY FRINGE 11.7% 55.9%	81.6%
EARLY MORNING 3.8% 17.6%	40.9%
LATE FRINGE -7.7% 16.5%	58.9%
OVERNIGHT -9.7% 14.7%	52.4%
PRIME -2.2% 26.7%	63.8%
PRIME ACCESS 6.2% 36.6%	58.0%





In March, there have been over 170 Coronavirusspecific special national telecasts across eight networks.

- Households in America viewed over 18 million hours of this special programming content.
- "CNN Global Town Hall Coronavirus: Facts and Fears with Facebook and Instagram" aired on Thursday, March 12.
- This special and content-specific telecast had the highest reach, viewed by over 5 million homes



Financial news networks saw a significant viewing bump

Live TV Viewing by Daypart Aggregate of Two Financial Cable News Networks

MARCH 16-20, 2020

	% CHANGE VS. PRIOR WEEK	% CHANGE VS. SAME WEEK IN FEB.	% CHANGE VS. SAME WEEK IN 2019
ALL DAY	4%	78%	95%
DAYTIME	8%	134%	137%
EARLY FRINGE	5%	131%	157%
EARLY MORNING	3%	82%	95%
LATE FRINGE	-11%	5%	11%
OVERNIGHT	-13%	15%	98%
PRIME	1%	9%	20%
PRIME ACCESS	5%	72%	93%



Daytime viewing of children's programming networks has increased nearly 31%

Live TV Viewing Four Select Children's Programming Networks

MARCH 16-20, 2020

	% CHANGE VS. PRIOR WEEK	% CHANGE VS. SAME WEEK IN FEB.	% CHANGE VS. SAME WEEK IN 2019
ALL DAY	7.9%	3.1%	1.5%
DAYTIME	40.6%	30.4%	30.6%





Local Television

Local Newscasts: Average Household Viewership in Top 10 Markets

PERCENT CHANGE - WEEK OF MARCH 16 VS. WEEK OF MARCH 9 AND WEEK OF MARCH 16 VS. WEEK OF FEB. 17

MARKET	% CHANGE (VS. LAST WEEK)	% CHANGE (VS. LAST MONTH)
Atlanta	3%	7%
Boston (Manchester)	14%	21%
Chicago	10%	15%
Dallas-ft. Worth	14%	23%
Houston	10%	17%
Los Angeles	13%	24%
New York	11%	19%
Philadelphia	12%	20%
San Francisco-Oak-San Jose	18%	30%
Washington, DC (Hagrstwn)	9%	15%



OTT Observations

OTT Streaming on Connected TVs and Boxes/Sticks Increases during Coronavirus Pandemic

Growth in OTT Streaming on Connected TVs and Streaming Boxes/Sticks

MARCH 1-16, 2019 VS. MARCH 1-16, 2020

	OTT HOUSEHOLDS (YOY)	
CONNECTED TV	29%	24%
STREAMING BOX/STICK	43%	16%



When comparing the four most recent days of available data, this growth is even more pronounced vs. the same days in 2019.

Growth in OTT Streaming on Connected TVs and Streaming Boxes/Sticks

MARCH 15-18, 2019 VS. MARCH 13-16, 2020

	OTT HOUSEHOLDS (YOY)	TOTAL OTT HOURS (YOY)
CONNECTED TV	39%	34%
STREAMING BOX/STICK	47%	20%

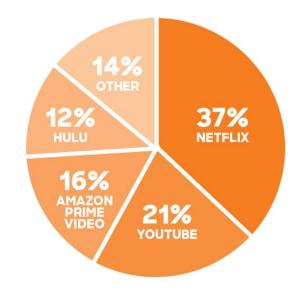


Source: Comscore Total Home Panel Custom Reporting

The "big four" streaming services still account for most OTT hours viewed on both connected TVs and via streaming boxes/sticks

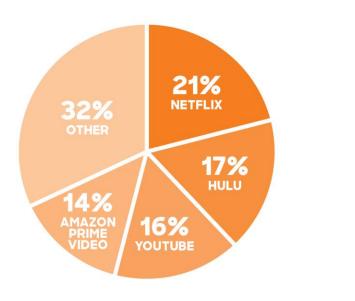
Connected TV: Share of OTT Hours by Service

MARCH 1-16, 2020



Streaming Boxes/Sticks: Share of OTT Hours by Service

MARCH 1-16, 2020





Digital Observations

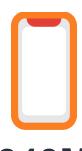
A brief overview of Comscore's digital measurement



194M Desktop screens



1 M
Digital Opt-in Panelists



240MMobile phones & tablets





45M
Over-The-Top devices



Websites

Mobile Apps

Comscore Reports Surging Levels of In-Home Data Usage

Gaming consoles (+48%), smart speakers (+44%), streaming boxes/sticks (+38%) and connected TVs (+37%) all saw significant year-over-year upticks

Percent Change in Average Monthly In-Home Data Usage by Device

2019 VS. 2020 - GIGABYTES RECEIVED

	CONNECTED TV	GAMING CONSOLE	PC/MAC	PHONE	SMART SPEAKER	STREAMING BOX/STICK	TABLET	GRAND TOTAL
JAN	26%	6%	-3%	21%	7%	24%	18%	16%
FEB	22%	12%	-5%	27%	-4%	21%	15%	16%
MAR*	27%	12%	-4%	34%	30%	24%	12%	18%

Average Daily In-Home Data Usage by Device

GIGABYTES RECEIVED

SUN/MON/TUES PERIOD	CONNECTED TV	GAMING CONSOLE	PC/MAC	PHONE	SMART SPEAKER	STREAMING BOX/STICK	TABLET	GRAND TOTAL
MARCH 17-19, 2019	2.6	3.0	1.4	0.7	0.1	3.9	0.4	12.0
MARCH 15-17, 2020	3.6	4.4	1.6	1.0	0.1	5.4	0.6	16.6
PERCENT CHANGE	37%	48%	15%	53%	44%	38%	33%	38%



Comscore Observes Shifting Category Trends for Digital Audiences Amid Pandemic

Percent Change in Total Digital Visits to Key Categories

MARCH 16-22, 2020 / TOTAL VISITS, DESKTOP AND MOBILE (WEB AND APPS) / U.S. ONLY

	MARCH 16-22 VS. FEB 17-23	MARCH 16-22 VS. MARCH 9-15
EDUCATION	18%	15%
FAMILY & YOUTH EDUCATION	115%	80%
FINANCIAL SERVICES	-2%	-3%
Investments	43%	6%
GOVERNMENT*	299%	28%
NEWS (EXCLUDING WEATHER)	45%	13%
General News	62%	18%
Local News	89%	30%
Top News Sites*	68%	18%
RETAIL*	11%	3%
SOCIAL MEDIA	16%	10%
TRAVEL	-34%	-34%
Airlines	-24%	-38%
Car Transportation	-27%	-19%
Ground/Cruise	-40%	-50%
Hotel/Resort & Home Sharing	-37%	-42%
Online Travel Agents	-46%	-47%
Travel - Information	-34%	-29%



Source: Comscore Media Metrix Custom Reporting

*"Retail" consists of Amazon, Walmart, Target, Costco, and Best Buy
"Top News Sites" is an aggregate of "40 of the top digital news sites
"Government" combines the CDC. NIH and WHO sites





News Sites

Total Digital Visits Among Top Digital News Sites

AGGREGATE OF ~40 SELECT NEWS SITES



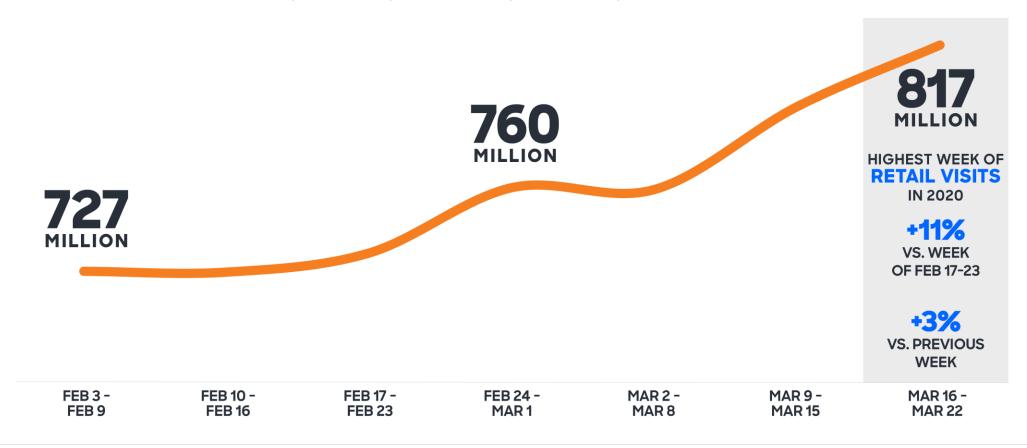




Retail

Total Digital Visits Among Top Retailer Sites

AGGREGATE OF AMAZON, TARGET, WALMART, COSTCO, BEST BUY







Government Digital Visits

Total Digital Visits to Top Government Sources

AGGREGATE OF CDC, NIH AND WHO







Media Planning in uncertain times with

Comscore Advanced Audiences TM

High-profile media events originally scheduled to broadcast are now canceled or postponed

- ACM Awards
- Kentucky Derby
- NBA Basketball
- NHL Hockey
- MLB Baseball
- US Soccer
- PGA Golf

- The Masters Tournament
- NCAA Basketball Tournament
- 2020 Olympic Games
- XFL Football
- Premier League Soccer
- NASCAR
- Indy Racing League



Many in the advertising community now face important questions about how they will approach TV media buying:

PLANNING:

How can you understand the real-time consumption of content and ads to build media plans & package inventory?

TRANSACTING:

How can you alter your media investment to reach your target audience when certain programming is no longer available due to cancellation or postponement?

EVALUATION:

How can you prove the impact and ROI of media investments and optimize future spend based on rapidly changing conditions in the media landscape?



Incorporating Comscore Advanced Audiences can help you find your target consumer as local TV viewing habits change

HHs W/ AG	E RANGE	HOUSEHOLD INCOME		
A18+, M18+, W18+	A18-64, W18-64, M18-64	\$0 - \$19,999	\$75,000 - \$99,999	
A21+, W21+, M21+	A21-24, W21-24, M21-24	\$0 - \$29,999	\$100,000 - \$124,999	
A25+, W25+, M25+	A21-34, W21-34, M21-34	\$0 - \$49,999	\$125,000 - \$149,999	
A35+, W35+, M35+	A25-34, W25-34, M25-34	\$0 - \$74,999	\$150,000 - \$174,999	
A50+, W50+, M50+	A25-49, W25-49, M25-49	\$20,000 - \$29,999	\$175,000 - \$199,999	
A55+, W55+, M55+	A25-54, W25-54, M25-54	\$30,000 - \$49,999	\$200,000 - \$249,999	
A65+, W65+, M65+	A25-64, W25-64, M25-64	\$30,000 - \$39,999	\$50K+, \$75K+, \$100K+	
A18-24, W18-24, M18-24	A35-44, W35-44, M35-44	\$40,000 - \$49,999	\$125K+, \$150K+	
A18-34, W18-34, M18-34	A35-54, W35-54, M35-54	\$50,000 - \$74,999	\$200K+, \$250K+	
A18-44, W18-44, M18-44	A35-64, W35-64, M35-64	HH COM	IPOSITION	
A18-49, W18-49, M18-49	A45-54, W45-54, M45-54	Single-Person HH, Male	Two Children in HH	
A18-54, W18-54, M18-54	A55-64, W55-64, M55-64	Single-Person HH, Female	Three Children in HH	
HHs W/ RACE/ETHNICITY	HHs W/ EDUCATION	Male Present in HH	Four or More Children in HH	
African American	College	Female Present in HH	Two Adults in HH	
Asian American	Grad School	Single-Parent HH, Male	Two Adults in HH, Both Male	
Hispanic	High School	Single-Parent HH, Female	Two Adults in HH, Both Female	
White	Some College	Children Present in HH	Three Adults in HH	
Other	Some High School or Less	No Children Present in HH	Four or More Adults in HH	
RESIDENCE	OWNERSHIP	One Adult with Children in HH	A35-64 and A18-24	
Owns Home	Rents	One Child in HH	A25-54 and A65+	





Comscore Activation

Cross-platform data powers activation across platforms

Build audience targets based on:



DEMOGRAPHICS

- Age
- Gender
- Valid Human Segment



TV VIEWING

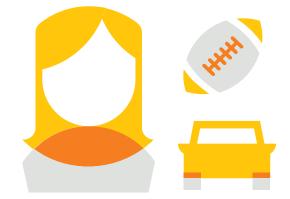
- Networks
- Live Events
- Genres
- Custom



OTT CONSUMPTION

- Select Providers
- Consumption Intensity
- Gaming Intensity
- Cord Cutters

AUDIENCE TARGET



Female, 18 – 24

Watches Monday Night Football Saw a "Ford 150" advertisement Netflix Viewer

Activate targets on:

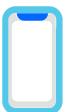
DESKTOP

Based on User IDs (i.e. Cookies)



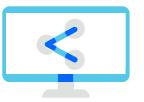
MOBILE

Based on Mobile Identifier for Advertising (i.e. Devices)



CONNECTED TV*

Based on Connected TV Identifier for Advertising (i.e. Devices)







Comscore is partner agnostic



























...and more



NEW Epidemic Brand Suitability Segments

Nuanced brand suitability levels based on risk tolerance



Safe from **Epidemic – High Risk** avoids risky/negative stories, such as COVID-19 deaths



Safe from **Epidemic – Low Risk** avoids educational, celebrity news and preparedness coronavirus content



Leverage both **High Risk** and **Low Risk** to avoid <u>ALL</u> content related to the current health situation and other epidemics

Broadcasting+Cable

Advertising Programming Streaming Biz Stations Policy Tech Events Resource Center

Home > News > Currency > Advertising

Comscore Helping Advertisers Weigh Running in Virus Content

As much as 30% of ads appear in material with crisis themes

Jon Lafayette · Mar 19, 2020







Comscore said its brand safety tools have added a segment that will screen content to protect brands from unwanted associations with the COVID-19 crisis.

Over the past week 22% to 30% of ad impressions were running alongside content that contains themes related to the Coronavirus and related epidemic themes.



The new tool will let advertiser fine-tune their brand safety applications based on their risk tolerance as more material about the pandemic appears in the media.

The tool also give publishers the flexibility they need to help their advertisers navigate the evolving Coronavirus news cycles, Comscore added.

The Comscore Difference – Brand Suitability Protection

Always-on Brand Safety



Provides peace of mind with brand protection coverage that updates in real-time at the appropriate risk threshold

Non-Binary Solution



Provides nuanced levels based on risk tolerance, avoiding an all or none approach seen with blacklisting

Avoid Keyword Updates



Intelligent categorization technology **employs machine learning**, so segments evolve with new terminology

Understanding Media Consumption During the COVID-19 Pandemic: Initial findings

- In a time of crisis, people turn to local, cable and digital news sources
- Daytime and Early Fringe television viewership is on the rise as households self-isolate and social distance at home
- OTT streaming has increased with shift to stay/work-at-home
- In-home data usage across multiple device and platforms types has surged
- Interest has soared for government healthcare information sources as well as Coronavirus-specific news content on TV



As the global novel Coronavirus crisis grows, consumers are making significant changes to the way they interact with content and advertising across platforms.

- More information is available on our website and our Coronavirus data hub.
- We will be hosting more Coffee with Comscore webinars in the coming days and weeks.
- Q&A







Thank you!

Jeff Sarault

SENIOR SALES DIRECTOR INDEPENDENT AGENCY/ADVERTISER



