2023 Luminate Year-End Music Report







Introduction

In July, with the release of the Luminate 2023 Midyear Music Report, we revealed new insights around the power and influence of super fans and the increase of foreign language-music consumed by U.S. listeners. The data in that report also shed light on the continued growth of content (ISRCs) added to streaming services each day. In the following report, we explore the continuation of those trends, using data to illustrate how they are defining the state of the music industry. We also share newer trends that have taken shape since the first half of the year, amplified by our new country-level streaming data for 50 different global markets – now accessible on our new data platform.

The enclosed findings are consistent with Luminate's commitment to being the trusted, objective and accurate data source reflecting and serving the entertainment industry at-large. That commitment also extends to helping bridge the gap for all adjacent industries including technology, finance, advertising, brand marketing and more.

As always, the Charts included in this report are presented by Billboard, Luminate's exclusive chart partner for more than three decades.

ABOUT LUMINATE

<u>Luminate</u> is the preeminent entertainment data and insights company, unleashing access to the most essential, objective, and trustworthy information across music, film, television, gaming, short-form video and more. Luminate's databases house information compiled from over 500 verified sources, managing more than 20 trillion data points.

Making Moves

Languages, Listeners and Locations

lt Was All a Stream

Business Beyond The Stream

Making Moves: Genre Trends in 2023

It's no secret that 2023 was a good year for Country Music on the Charts in the U.S., with artists like Morgan Wallen, Luke Combs, and Zach Bryan releasing new albums and scoring hits. Earlier this year, Luminate shared that Country Music had its highest On-Demand streaming week ever this year in the U.S., when Wallen released his album in March. The album generated 482.65m On-Demand Audio (ODA) streams during the week ending March 9, 2023, pushing the weekly Country genre total to a peak of 2.22B ODA streams (which means Wallen's album was responsible for more than 1 in every 5 Country ODA streams that week). That record was broken again in July, with a total of 2.41B Country ODA streams in the U.S. during the week ending July 13, 2023. With numbers like these, Country was one of 2023's fastest growing streaming genres in the U.S. But what other genres saw streaming growth across global markets?

In the following report, we breakdown the continued growth of core genres like Latin and World Music (inclusive of K-Pop and Afrobeats) as well as listener profiles for emerging subgenres like Regional Mexican. Most notably, as Luminate releases the first phase of it's all new data platform, we are now able to share country-level streaming data for 50 markets including the U.S. and Canada. Using those new tools, we unveil the markets where core genres like R&B/Hip-Hop, Dance/Electronic and Country are getting traction outside of North America.





Languages, Listeners and Locations

It Was All a Stream Business Beyond The Stream



Languages, Listeners and Locations

In our 2023 Midyear Music Report, we revealed that the share of English-language music is decreasing among the most streamed songs in the U.S. That trend has continued throughout the rest of this year. The latest data shows that since 2021, there's been a -4.8% decrease in English-language music's share amongst the Top 10K most-streamed songs in the U.S., and notably, a +3.8% increase in Spanish-language music's share in that same timeframe. We know this is due to the Latin genre's significant rise fueled by artists like Bad Bunny, Peso Pluma and Eslabon Armado. That's only part of the story.

To understand the relationship between language and music listeners, we're diving deep into our audience research insights and listener profiles. Our latest data shows that 63% of Gen Z and 65% of Millennial music listeners in the U.S. agree that they "listen to new music to experience new cultures and perspectives." Knowing where these listeners of multilingual music engage online is also key to understanding music discovery. In the following report, we share what platforms those are and what languages are most popular on the global level. Beyond that, we share insights into music discovery behaviors in emerging markets Nigeria and Kenya.

Soundtracks & Syncs



It Was All a Stream: The Who, What, When, Where and How of Music Streaming in 2023

As streaming growth continues on a global scale — the latest Luminate data shows a +12.7% increase in total On-Demand Audio streaming activity between 2022 and 2023 conversations surrounding artist royalty payments are at the forefront of the industry. An important part of those conversations requires understanding what is actually being streamed and how much content listeners have to choose from. In the following report, we unpack new data-fueled insights surrounding the gender identity of the top streamed songs including the fact that there was a +4.2% YoY increase of female artists in the Top 500 most streamed (On-Demand Audio) songs in the U.S. in 2023. We also share new insights into the ongoing streaming pyramid of what percentage of songs are actually getting significant streams, what Catalog music performs best on streaming by year, and the latest view of independent vs. major label streaming market share.

Soundtracks & Syncs



Languages, Listeners and Locations

It Was All a Stream Business Beyond The Stream

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Business Beyond The Stream: The Business of Artists and Their Super Fans

Super fans continue to prove their power in the music industry, having an outsized impact on sales and streams. But they also support their favorite artists beyond music consumption, with options for purchasing merch and experiences — both online and in-person — proving to be just as vital for expressions of their fandom. In the following report, we breakdown the latest insights surrounding the next generation of super fans. For example, Luminate's latest audience insights data shows that super fans spend 126% more on artist merch than the average music listeners.

Diving even deeper, we're taking a look at the super fans that drive the K-Pop and J-Pop merch market, with a focus on what kind of demand drives that business. We also show the latest insights on platforms like Discord and Patreon and their impact on connecting artists with their most engaged listeners.

Soundtracks & Syncs



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Soundtracks & Syncs: How Music Made Its Way On Screen in 2023

Between Barbie, Taylor and Beyoncé, music was all over the big screen in 2023. In the following report, we take a look at how the relationship between music, film, TV and SVOD (video streaming) evolved over the past year to drive multimedia awareness and engagement across various projects. For example, our data shows that Netflix's Wham! documentary drove massive On-Demand Audio streaming gains for the Wham! and George Michael's catalog on a global scale after its premiere. Using Luminate's audience research insights, we also illustrate the correlation between movie theater goers' behaviors and those of live concert attendees. U.S. movie theater goers are 54% more likely to have attended a live concert in the last 12 months than the general population. These insights also help us understand behaviors around music discovery — like the fact that 30% of U.S. Gen Z and Millennial females discover new music and artists through movies and movie soundtracks, which makes them 15% more likely to do so than the general population.

Soundtracks & Syncs



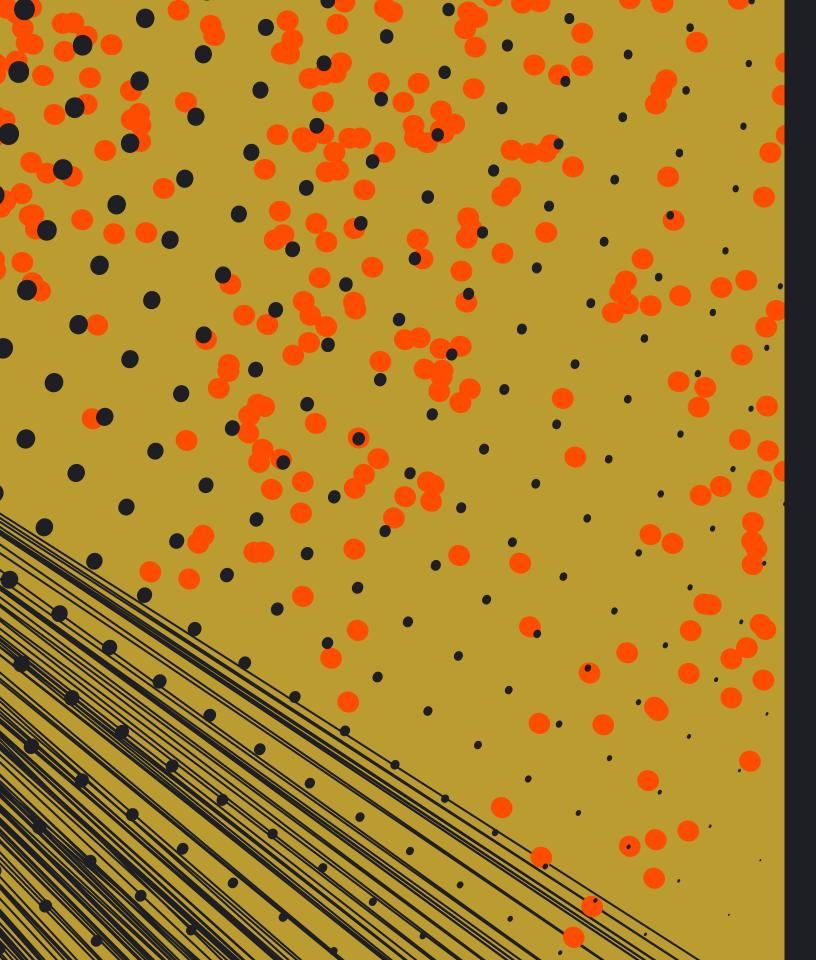


The New & The Old: Economic Realities of Catalog Royalties

As new technologies become available, the music industry is grappling with how to make use of them in ways that will drive beneficial growth for the entire ecosystem, and one of the most notable innovations that's being utilized in the live music space is the virtual concert. In the following report, we use ABBA's ongoing "ABBA Voyage" virtual residency in London, UK, to highlight the ways this new type of live engagement can drive streaming growth for Catalog music. Furthermore, we break out listener behaviors to showcase who exactly spends money on a virtual event.

Building on that Catalog growth, we also take a look at the current state of Catalog acquisitions and how current economic realities have impacted that big music investment trend.

Soundtracks & Syncs



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JUMP TO A SECTION THAT INTERESTS YOU

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NGE FOR CONSUMPTION DATA: 12/30/22-12/28/23 (AS COMPARED TO 12/31/21-12/29/22)



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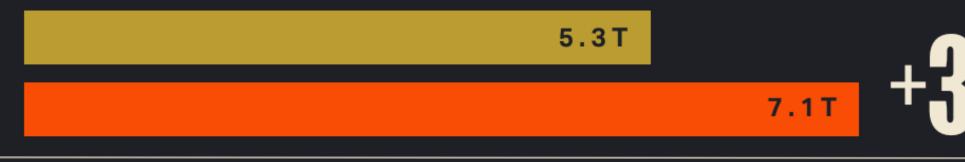
2023 Year-End Metrics

12/30/22-12/28/23 (As Compared to 12/31/21-12/29/22)



Global Metrics 2022⁺ 2023+

Total On-Demand Song Streams (Audio + Video)



Total On-Demand Audio Song Streams



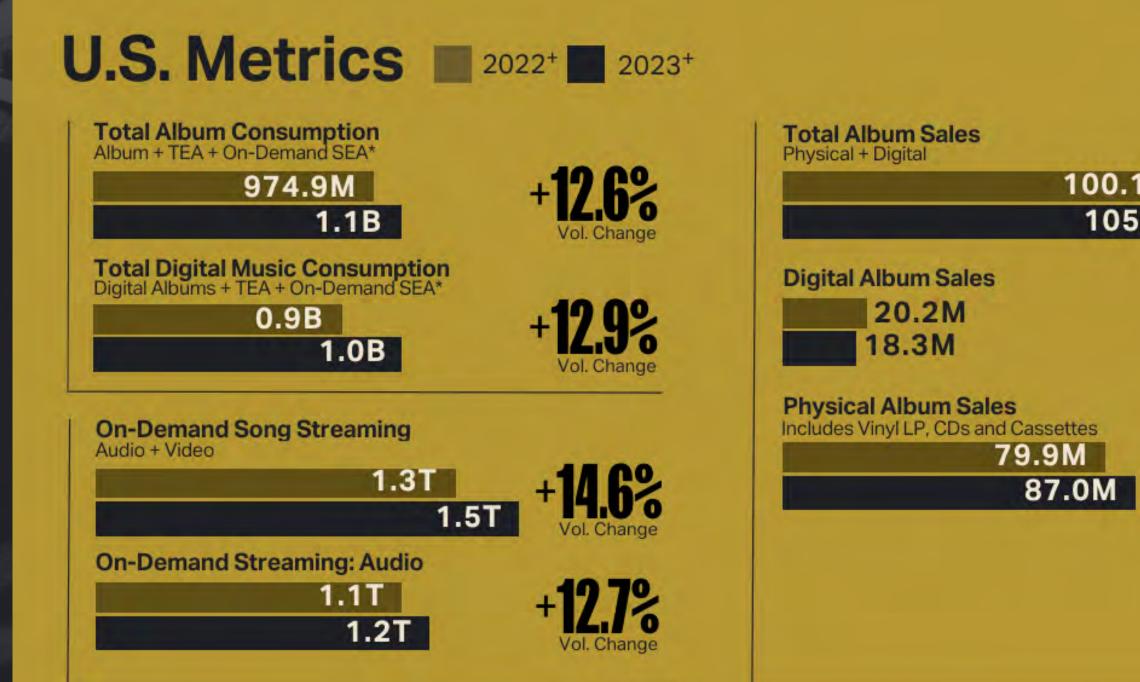
* SEA (STREAM-EQUIVALENT ALBUMS): 1250 PREMIUM STREAMS = ONE ALBUM // 3750 AD-SUPPORTED STREAMS = ONE ALBUM: TEA (TRACK-EQUIVALENT ALBUMS): 10 DIGITAL TRACKS = ONE ALBUM

** CATALOG = 18 MONTHS OR OLDER AND HAVE FALLEN BELOW NO. 100 ON THE BILLBOARD 200 CHART AND DON'T HAVE A SINGLE FROM THE ALBUM THAT IS CURRENT ON ANY OF BILLBOARD'S RADIO AIRPLAY CHARTS

+3378 Vol. Change

+223% Vol. Change

+ 12/30/22-12/28/23 (AS COMPARED TO 12/31/21 ON-DEMAND VIDEO SONG STREAMING INCLUDES OFFICIAL, SONG UGC AND NON-SONG UGC



SEA (STREAM-EQUIVALENT ALBUMS): 1250 PREMIUM STREAMS = ONE ALBUM // 3750 AD-SUPPORTED STREAMS = ONE ALBUM: TEA (TRACK-EQUIVALENT ALBUMS): 10 DIGITAL TRACKS = ONE ALBUM ** CATALOG = 18 MONTHS OR OLDER AND HAVE FALLEN BELOW NO. 100 DN THE BILLBOARD 200 CHART AND DON'T HAVE A SINGLE FROM THE ALBUM THAT IS OURRENT ON ANY OF BILLBOARD'S RADIO AIRPLAY CHARTS ON DEMAND VIDEO SONG STREAMING INCLUDES OFFICIAL, SONG UGC AND NON-SONG UGC

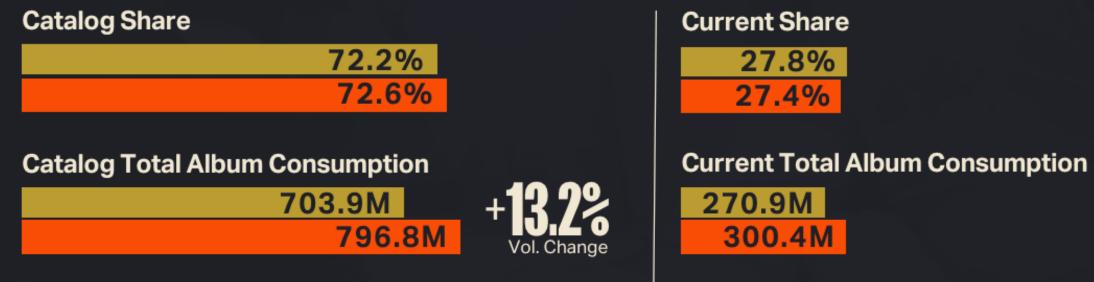








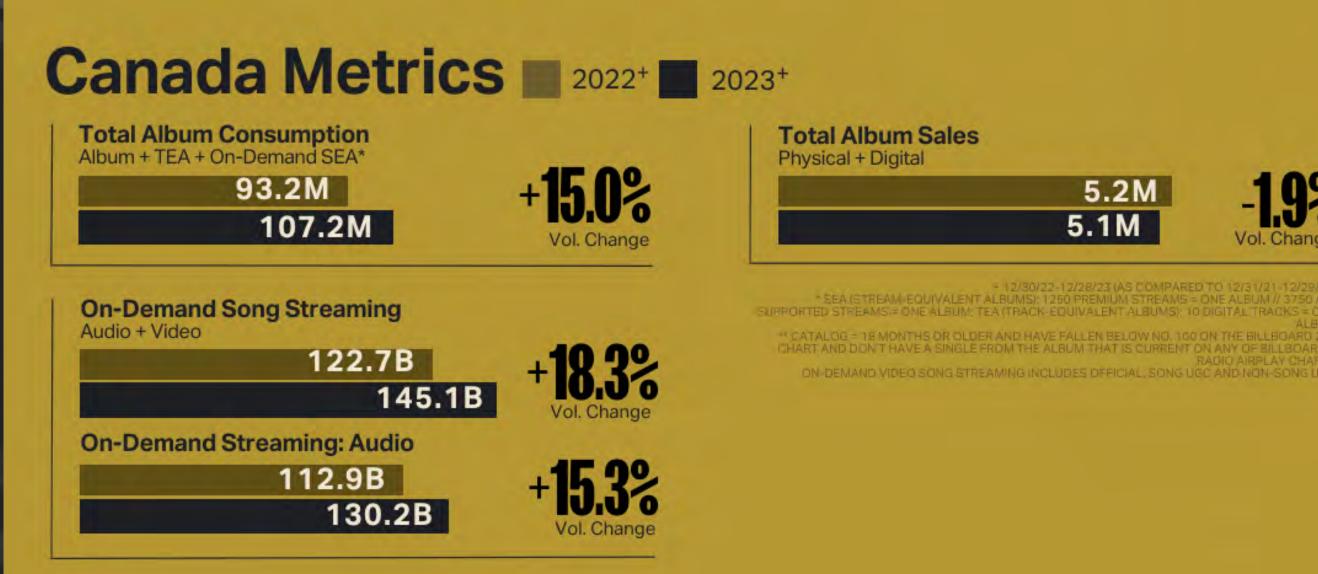
U.S. Catalog vs. Current Consumption 2022*



+ 12/30/22-12/28/23 (AS COMPARED TO 12/31/21-12/29/22) * SEA (STREAM-EQUIVALENT ALBUMS): 1250 PREMIUM STREAMS = ONE ALBUM // 3750 AD-SUPPORTED STREAMS = ONE ALBUM; TEA (TRACK-EQUIVALENT ALBUMS): 10 DIGITAL TRACKS = ONE ALBUM ** CATALOG = 18 MONTHS OR OLDER AND HAVE FALLEN BELOW NO. 100 ON THE BILLBOARD 200 CHART AND DON'T HAVE A SINGLE FROM THE ALBUM THAT IS CURRENT ON ANY OF BILLBOARD'S RADIO AIRPLAY CHARTS ON-DEMAND VIDEO SONG STREAMING INCLUDES OFFICIAL, SONG UGC AND NON-SONG UGC







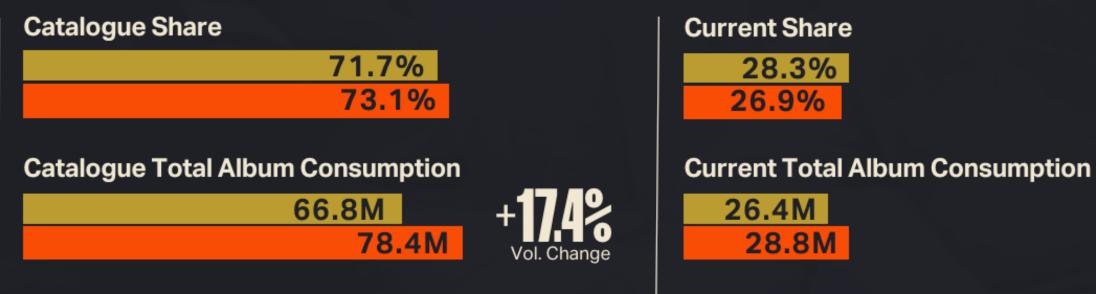


5.2M 5.1M

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Canada Catalogue vs. Current Consumption

2023+ 2022+



+ 12/30/22-12/28/23 (AS COMPARED TO 12/31/21-12/29/22

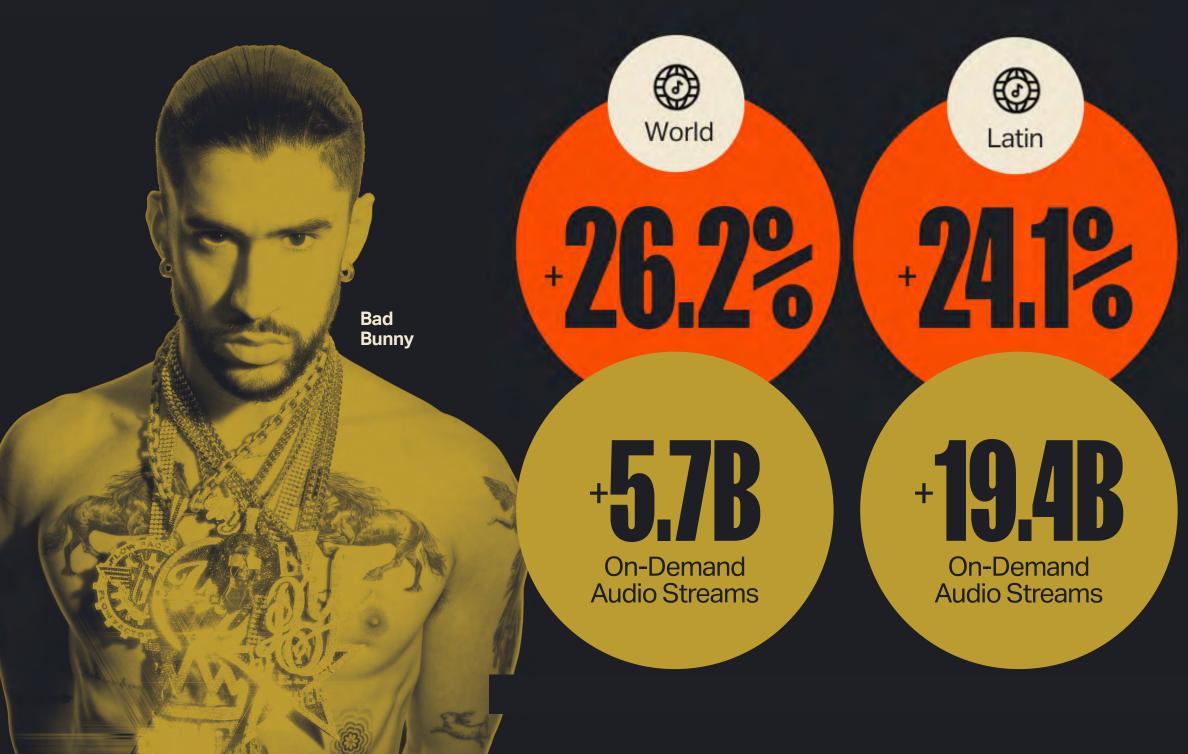
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TREND 1 Making Moves Genre Trends in 2023

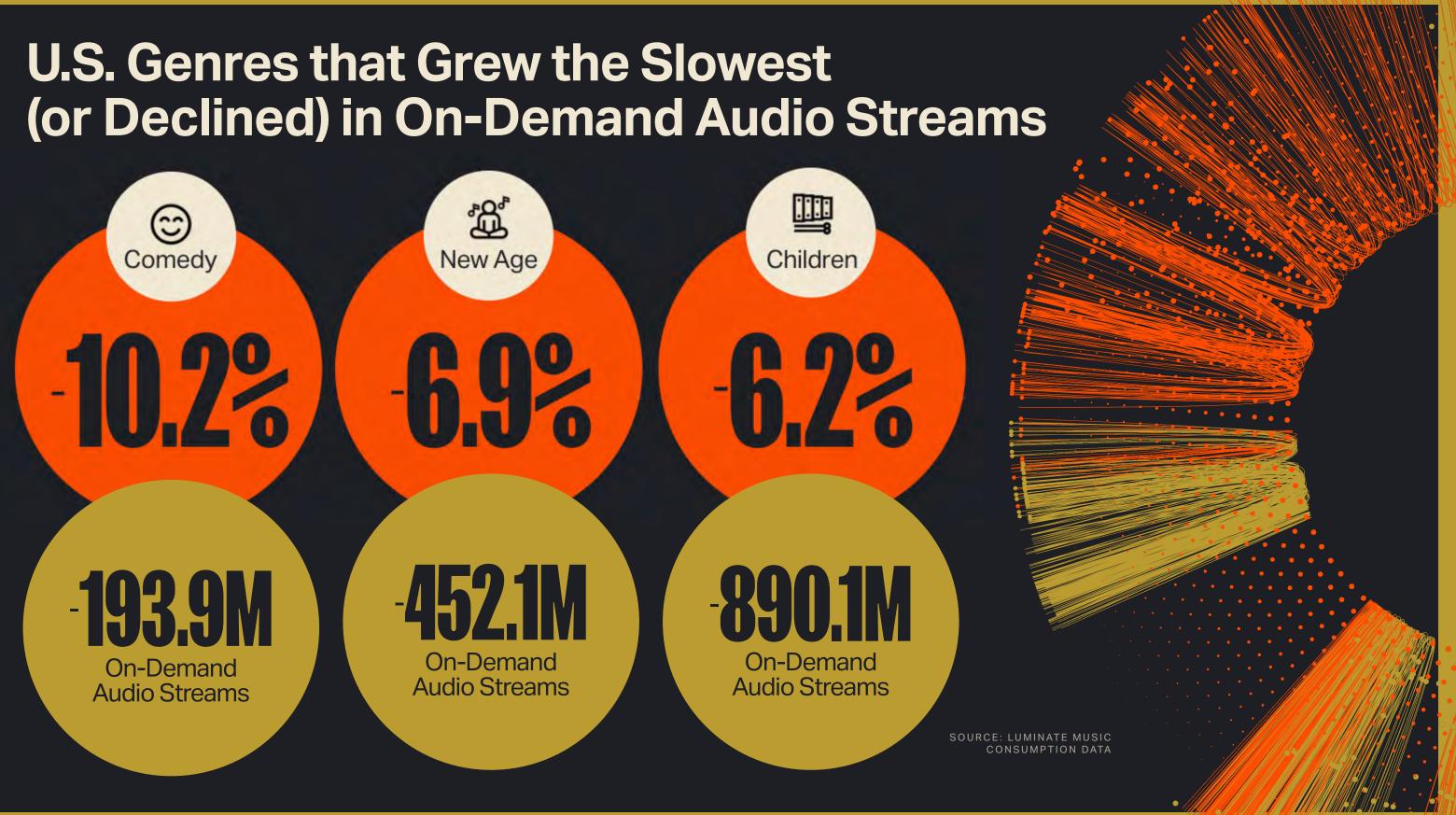


2023 Fastest Growing Genres by U.S. On-Demand Audio Streams





BAD BUNNY: DANIEL SANNWALD



Younger Fans Are Powering Country Artists to New Streaming Heights

A New Country Consumer is Emerging to Power the Genre to One of the Fastest-Growing in the U.S.

	#1 LISTENING FORMAT	BIGGEST FAN COHORT
Bailey Zimmerman	Music Streaming	Millennial
Zach Bryan	Music Streaming	Z M Gen Z/ Millennial
Luke Combs	Music Streaming	Z M Gen Z/ Millennial
Morgan Wallen	Music Streaming	Millennial
Average Country Fan	AM/FM Radio	B Boomers

Morgan Wallen



Music Discovery and the Gen Z Country Fan

Gen Z Country Listeners are 48% more likely to discover new music through video and/or audio streaming services than the average U.S. music listeners and +16% more likely than Gen Z music listeners Gen Z Country Listeners are 64% more likely to listen to playlists shared by family and friends than the average U.S. music listeners and +16% more likely than Gen Z music listeners

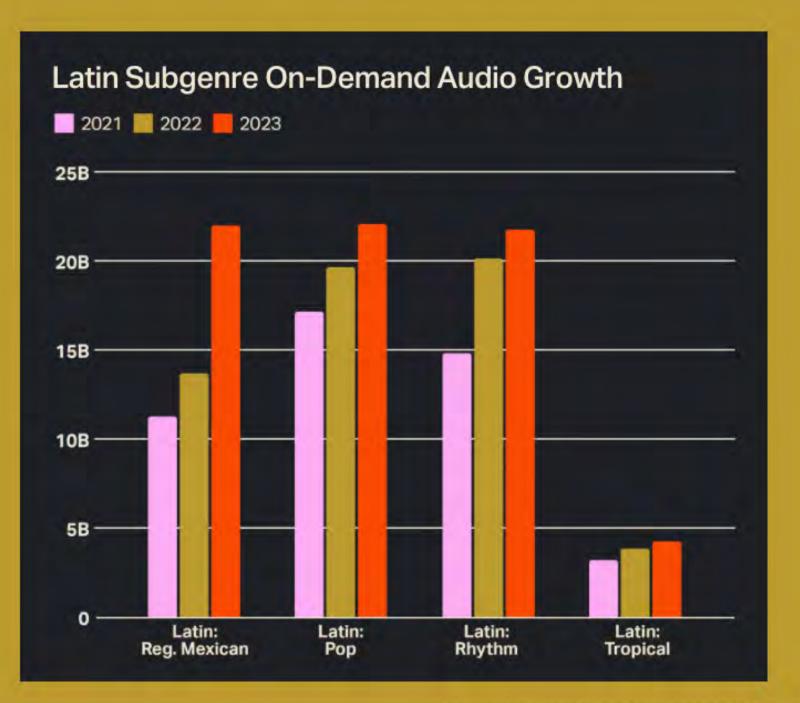
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SOURCE: U.S. MUSIC 360 2023 - Q3

Regional Mexican Music is One of 2023's Biggest Breakout Genres



Regional Mexican has grown in 2023 to **21.9B U.S. On-Demand Audio streams**



SDURCE: LUMINATE MUSIC CONSUMPTION DATA

Regional Mexican in the U.S.

DISTRIBUTION OF LISTENERS IN THE U.S. (Darker colors indicate greater listener proportions)

Regional Mexican listenership sees higher concentrations along the West Coast and through the Southwest in states like Texas. This listenership aligns with Census demographic trends illustrating hispanic population patterns to the U.S. With 47% of Latin fans discovering new music via Friends and Relatives, the tie to culture is evident.

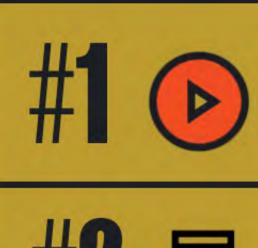


#1 Music Discovery Method: Video and/or Audio Streaming Services



Gen Z Regional Mexican Listeners are 70% more likely to discover music through Short Video Clips on social video websites/ apps than other U.S. music listeners







How Do Non-Hispanic Listeners in the U.S. **Discover Regional Mexican Music?**

Video and/or Audio Streaming Services

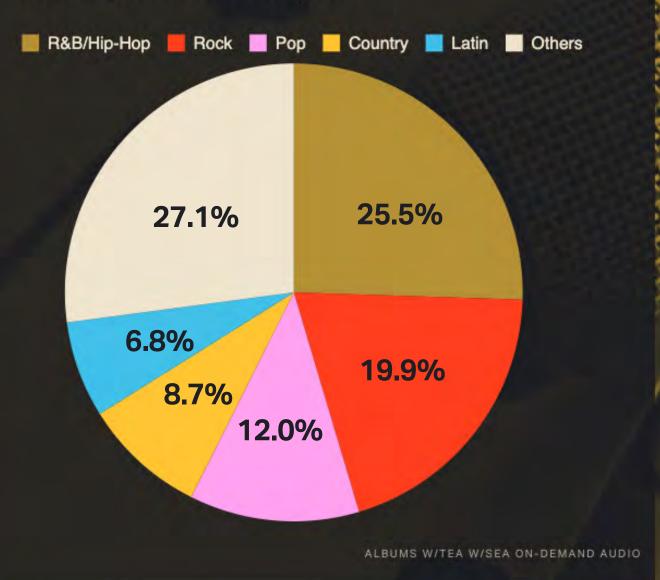


Movies/ Movie Soundtracks

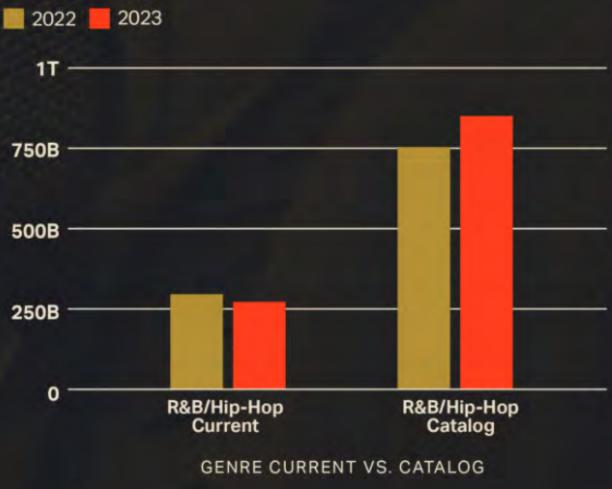
> SOURCE: U.S. MUSIC 360 2023 - Q3 PLUMA: MARY BETH KOETH

R&B/Hip-Hop

In a year when Hip-Hop celebrated its 50th anniversary, the genre continues to lead all others in U.S. consumption.



less than 18 months old) is down 7.1% this year.

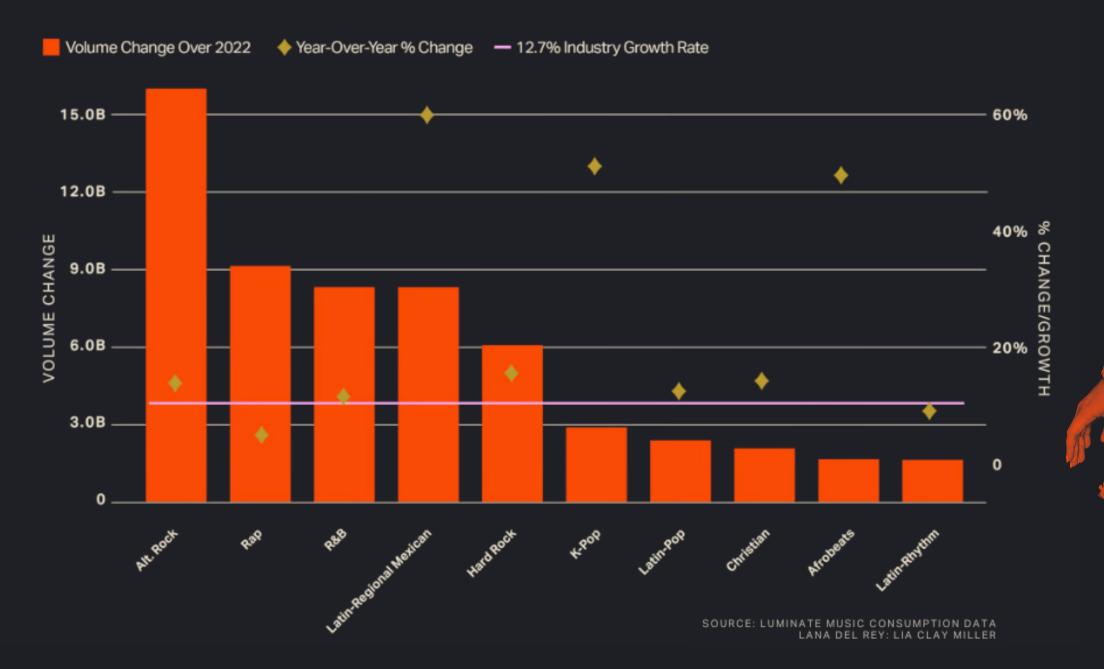


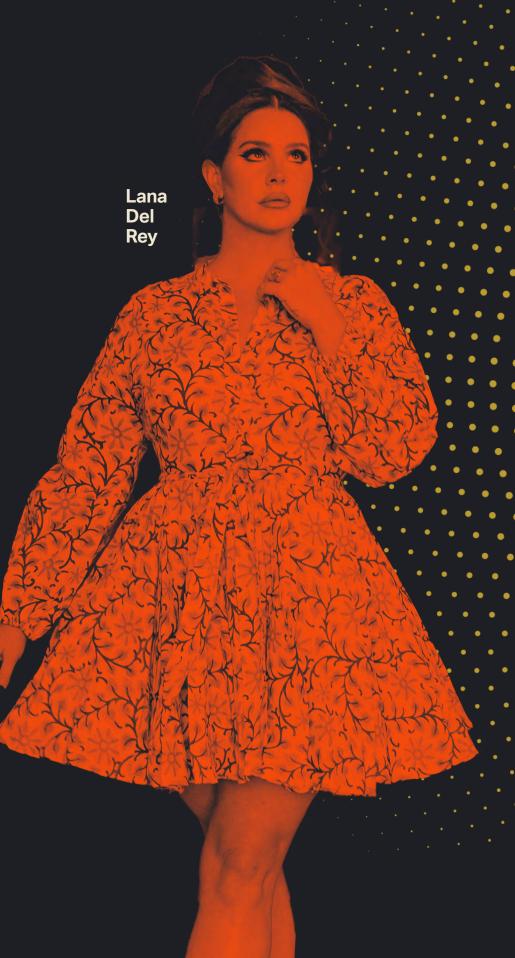
Catalog streaming volume of R&B/Hip-Hop tracks in the U.S. grew 11.3% in On-Demand Audio over 2022, though streaming of Current titles (those

SOURCE: LUMINATE MUSIC CONSUMPTION DATA

Subgenres on the Move

Alt. Rock is the Largest Growing Sub-Genre in the U.S. with +15.9B New ODA Streams in 2023





Alt. Rock Fans Are ...

FJ Music Discovery



more likely to discover music through movies/movie soundtracks compared to U.S. Music Listeners

٩٣P Merch

more likely to purchase merch from an Artist Official Online Store compared to U.S. Gen Pop

Social



more likely to use Reddit compared to U.S. Gen Pop

SOURCE: ARTIST & GENRE TRACKER 2023 - Q3

World Genre Spotlight: J-Pop



J-POP FANS IN THE U.S. ARE...



*COMPARED TO GEN POP 13+ SOURCES: U.S. MUSIC 360 2023 - Q4, LUMINATE MUSIC CONSUMPTION DATA YOASOBI



Where do the Top 100 songs in each of these genres take up most proportion of streams outside of their home region?



- Luxembourg
- Netherlands
- France
- United Kingdom
- Portugal

SOURCE: LUMINATE MUSIC CONSUMPTION DATA EACH GENRE RANKED BY U.S. TOTAL ON-DEMAND AUDIO STREAMING

Where do the Top 100 songs in each of these genres take up most proportion of streams outside of their home region?



- Australia
- New Zealand
- Ireland
- United Kingdom
- Norway

SOURCE: LUMINATE MUSIC CONSUMPTION DATA BASED ON TOP 100 SONGS IN EACH GENRE RANKED BY U.S. TOTAL ON-DEMAND AUDIO STREAMING

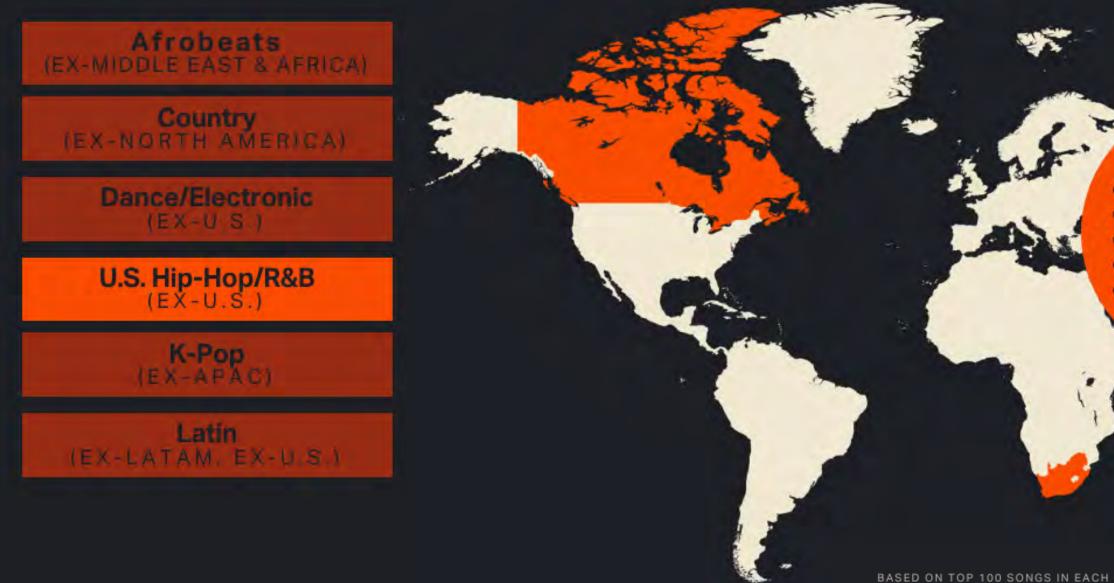
Where do the Top 100 songs in each of these genres take up most proportion of streams outside of their home region?



- Vietnam
 Slovakia
 Croatia
 Malaysia
- Hungary

SOURCE: LUMINATE MUSIC CONSUMPTION DATA IN EACH GENRE RANKED BY U.S. TOTAL ON-DEMAND AUDIO STREAMING

Where do the Top 100 songs in each of these genres take up most proportion of streams outside of their home region?



- South Africa
 New Zealand
- Canada
- Ganaua
- Australia
- The Philippines

SOURCE: LUMINATE MUSIC CONSUMPTION DATA BASED ON TOP 100 SONGS IN EACH GENRE RANKED BY U.S. TOTAL ON-DEMAND AUDIO STREAMING

Where do the Top 100 songs in each of these genres take up most proportion of streams outside of their home region?



SOURCE: LUMINATE MUSIC CONSUMPTION DATA BASED ON TOP 100 SONGS IN EACH GENRE RANKED BY U.S. TOTAL ON-DEMAND AUDIO STREAMING

Where do the Top 100 songs in each of these genres take up most proportion of streams outside of their home region?



- Spain
- Italy
- Portugal
- Luxembourg
- Switzerland

SOURCE: LUMINATE MUSIC CONSUMPTION DATA IN EACH GENRE RANKED BY U.S. TOTAL ON-DEMAND AUDIO STREAMING

A Closer Look: Music Consumer Profiles in Select African Countries

Nigeria Overall streaming penetration among all music listeners **Top Music Discovery Methods:** 88 Social TV Friends/ Media Relatives **Top Local Genre: Top Foreign Genre:** Afrobeats Blues

SOURCE: NIGERIA MUSIC 360 2023





Top Music Discovery Methods:



Media





Streaming Services

50

Top Local Genre: Kenyan Gospel Top Foreign Genre: Christian/Gospel

TREND 2 Languages, Listeners and Locations

Karol G CREDIT: CHRISTOPHER



Latin Music Artists with More Than 1B U.S. On-Demand Audio Streams in 2023



Bad Bunny

U.S. On-Demand Audio Streams #13 OVERALL U.S. RANK IN ODA

> **1.3B** Karol G

U.S. On-Demand Audio Streams #73 OVERALL U.S. RANK IN ODA **1.9B**

Peso Pluma

U.S. On-Demand Audio Streams #43 OVERALL U.S. RANK IN ODA

Junior H U.S. On-Demand Audio Streams #119 OVERALL U.S. RANK IN ODA

1.3B

Eslabon Armado

U.S. On-Demand Audio Streams #71 OVERALL U.S. RANK IN ODA

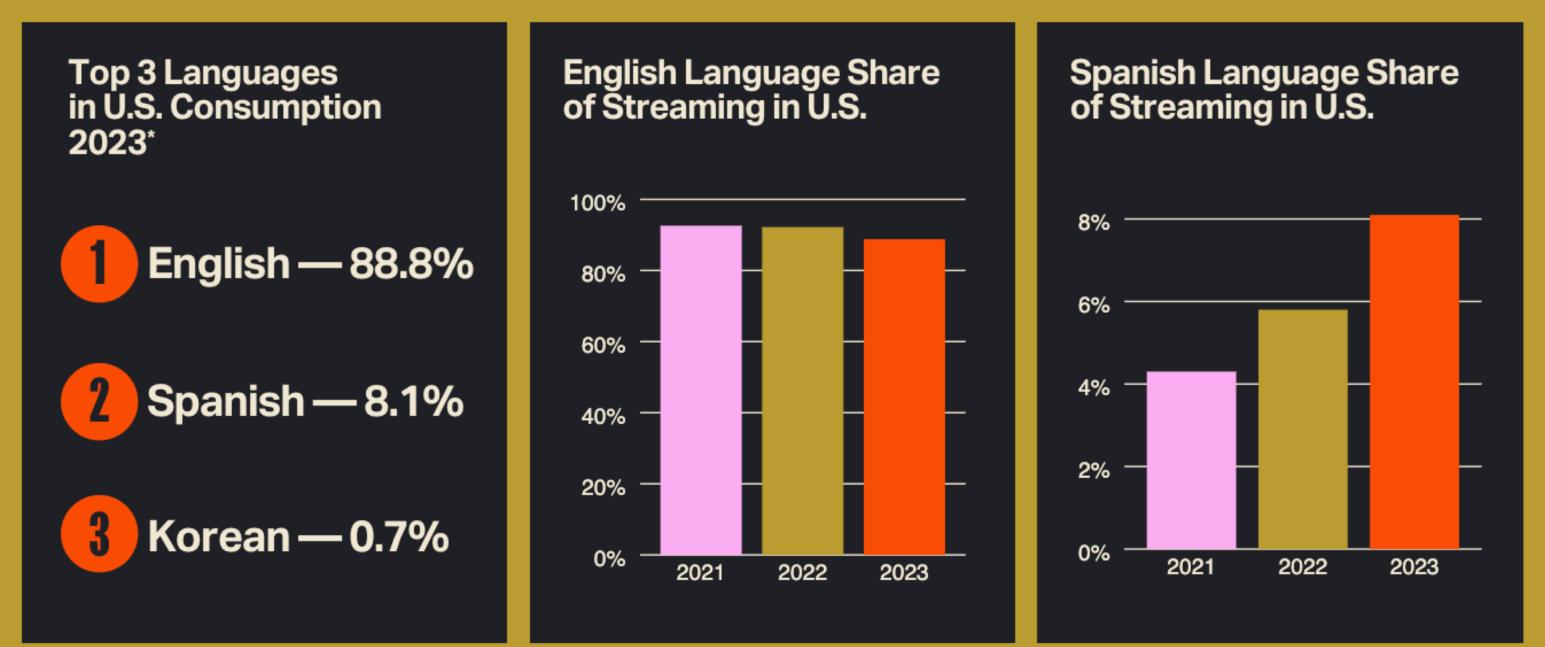


Fuerza Regida

U.S. On-Demand Audio Streams #122 OVERALL U.S. RANK IN ODA

U.S. Listeners Engaging with Non-English Content

Streaming share of English language content in Top 10K U.S. Total On-Demand (Audio & Video) tracks down 3.8% since 2021; Spanish grows 3.8%



SOURCE: LUMINATE MUSIC CONSUMPTION DATA *STREAMING SHARE OF TOP 10K TOTAL ON-DEMAND (AUDIO & VIDEO) TRACKS

Top 5 Global Languages

Share of English Language in Top 10K Global Tracks (Total On-Demand Audio + Video) Declining While Hindi Grows Along with India's Streaming Market



Music Discovery and the U.S. "Multi" Lingual Listener A Multilingual Music Listener is a music listener who reported listening to more

than one language of music, and they are:





more likely to discover music via movie soundtracks than the average U.S. listener



more likely to discover music via exclusive TV shows from streaming platforms than the average U.S. listener





more likely to discover music via video games than the average U.S. listener

SOURCE: U.S. MUSIC 360 2023 - Q3

U.S. Millennials and Gen Z More Likely to Listen to Foreign Language Music



Multilingual music listeners are 42% more likely than the average music listener to say "having access to music by global artists" is important when choosing a streaming service



63% of Gen Z and 65% of Millennials agree they "listen to new music to experience new cultures & perspectives"

Multilingual music listeners are more likely than the average U.S. Gen Pop to use community-focused social media platforms

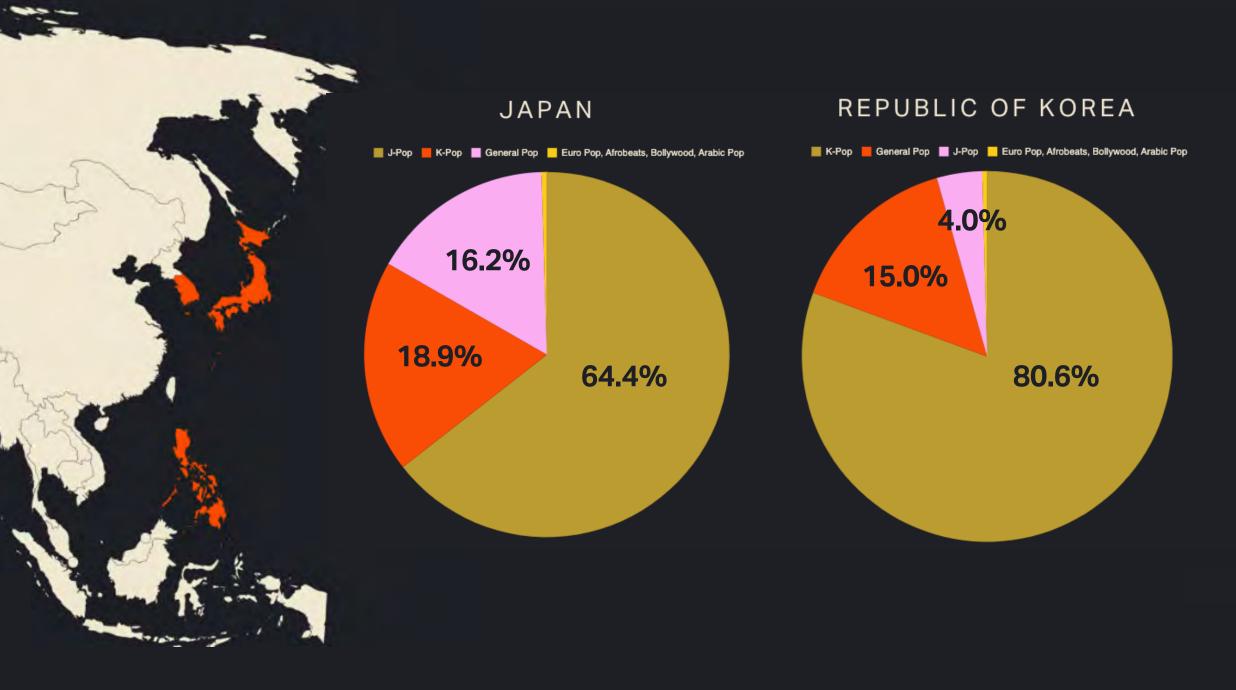


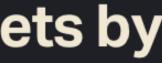


SOURCE: U.S. MUSIC 360 2023 - Q3

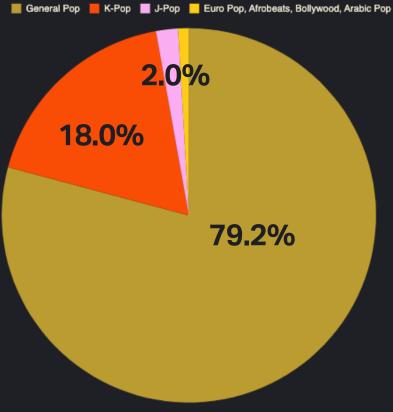
Pop Music Listening in Select Asian Markets by Subgenre Streaming Share

(Total On-Demand Audio + Video Streams)





THE PHILIPPINES



SOURCE: LUMINATE MUSIC CONSUMPTION DATA

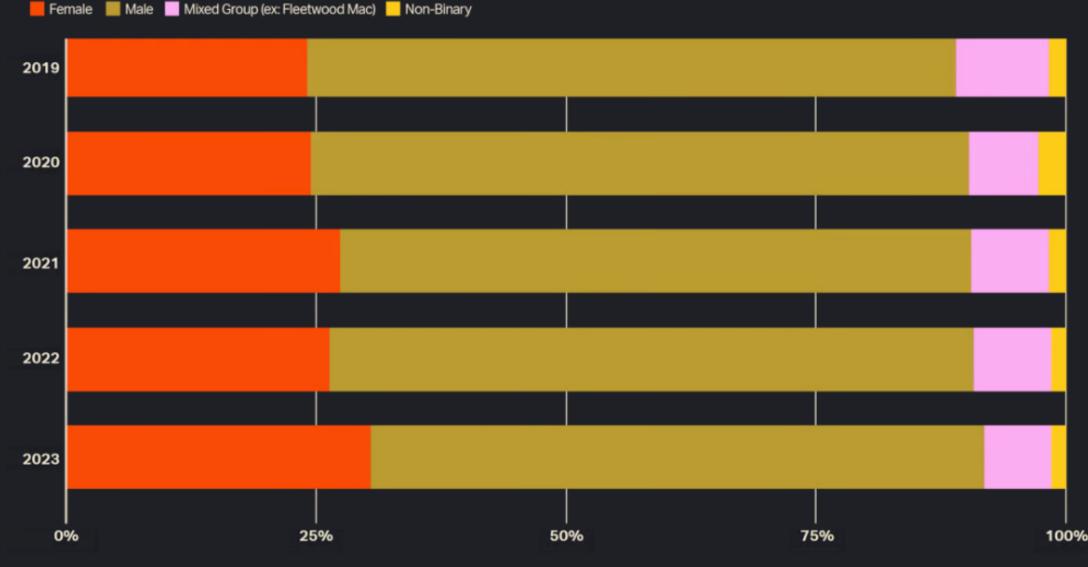
TREND 3 It Was All a Stream

The Who, What, When, Where and How of Music Streaming in 2023

SZA

Streaming Share by Gender Identity within Top 500 U.S. Artists

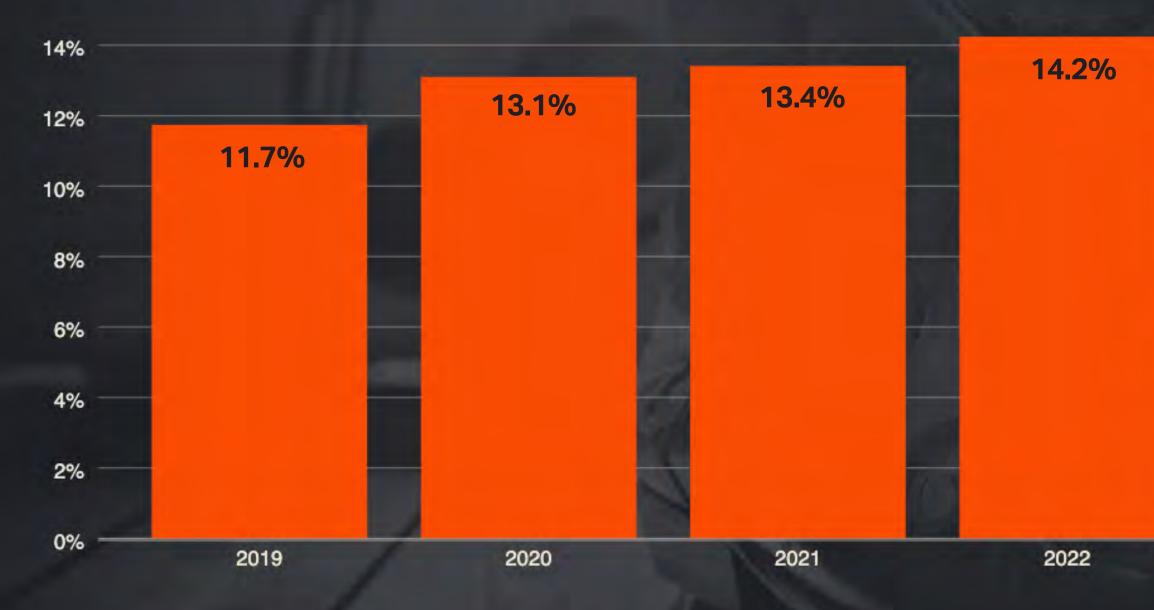
Streaming share of Women within Top 500 Artists +4.2 percentage share points (ppts) over 2022



SOURCE: LUMINATE MUSIC CONSUMPTION DATA CYRUS: KATIE JONES

Genre Gender Snapshot: U.S. Country Music

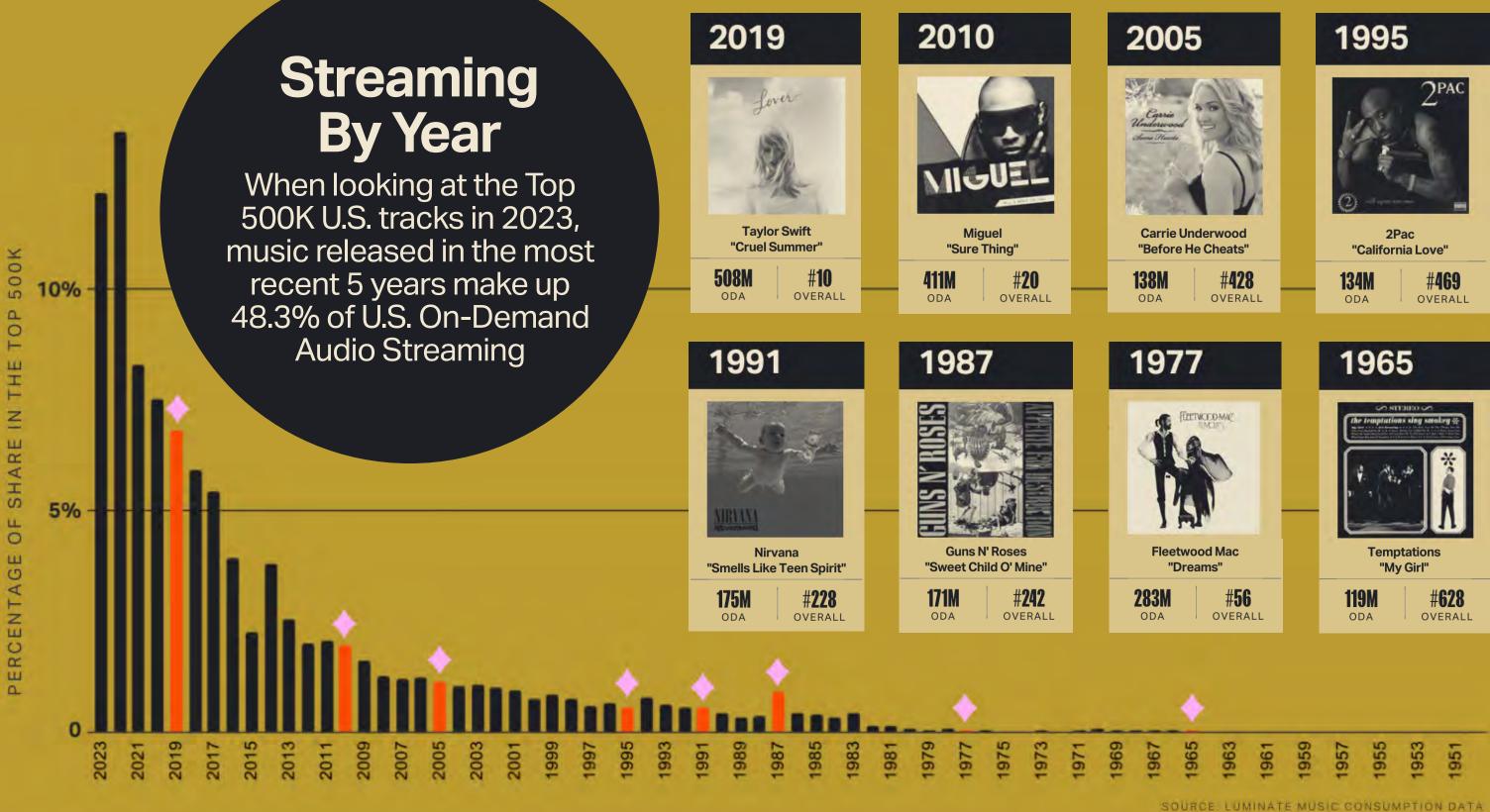
Streaming share of Female Artists within Top 500 Country artists +2.6ppts since 2019 but relatively unchanged over 2022 (+.07ppts) as Male Artists like Morgan Wallen, Zach Bryan and Luke Combs were streaming powerhouses in 2023 and acquired a high volume of share





SOURCE: LUMINATE MUSIC CONSUMPTION DATA

TOP SONGS FROM SELECT YEARS



2023 Global Audio **Track Streaming Pyramid**

436K tracks (ISRCs) were streamed 1M or more times Globally in 2023, up from 373.5K in 2022; This year, 45.6M tracks had zero streams

1B+ YTD Streams 100M-1B YTD Streams 10M-100M YTD Streams 1M-10M YTD Streams 100K-1M YTD Streams 1K-100K YTD Streams



Total Audio ISRCs Tracked









SOURCE: LUMINATE MUSIC CONSUMPTION DATA

Average Daily ISRC Delivery to DSPs

There was an average of 103.5K new ISRCs delivered to DSPs each day in 2023, which is up 10.8% from 2022 when there was an average of 93.4K delivered each day

Major Distribution

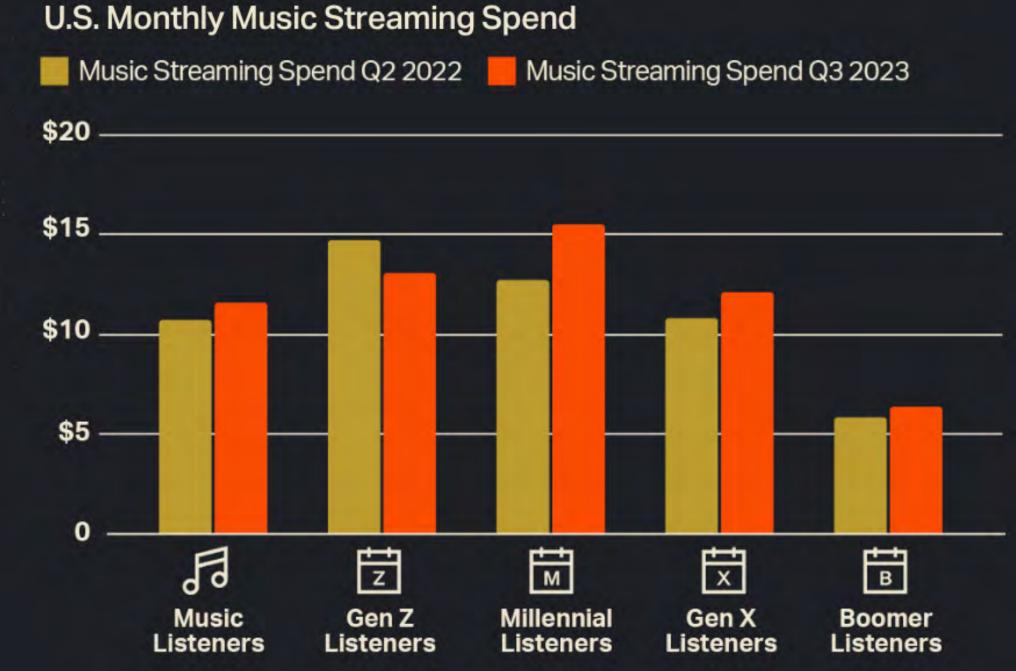
Rest of Industry*

*INCLUSIVE OF INDEPENDENT DISTRIBUTION AND DSPS THAT CATER TO CREATOR NETWORK

SOURCE: LUMINATE DATA

U.S. Average Music Streaming Spend Increased Year-Over-Year But Gen Z listeners report spending 11% less on Music Streaming Services Per Month

Rodrigo



Meditation / Sleep / Focus

Who is the meditation / sleep / focus listener and what are they streaming?

ARTIST	2023 U.S. ODA
Einstein Baby Lullaby Academy	414M
Liquid Mind	265M
Oh, The Joy.	254M
Sleeptherapy	173M
Sleep Fruits Music, Ambient Fruits Music	126M
Rain Sounds	121M
Nature Sounds	117M
Pure Relaxing Vibes	116M
Lofi Fruits Music & Chill	115M
Into the Bliss	105M



Nearly 3-in-5 are women

20% are 45-54 years old and another 19% are 25-34 years old

Are more than twice as likely to listen to Jazz, Classical, or TV/Movie soundtracks (on a monthly basis) than Gen Pop

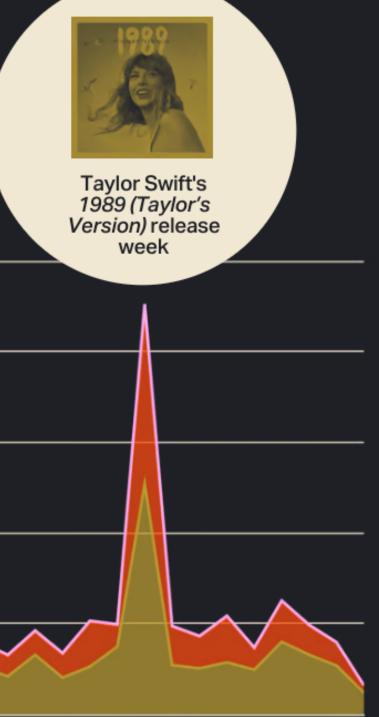
TREND 4 Business **Beyond the** Stream

The Business of Artists and Their Super Fans



Total U.S. D2C Album Sales Reach 12.7m; Physical D2C up 27.8%

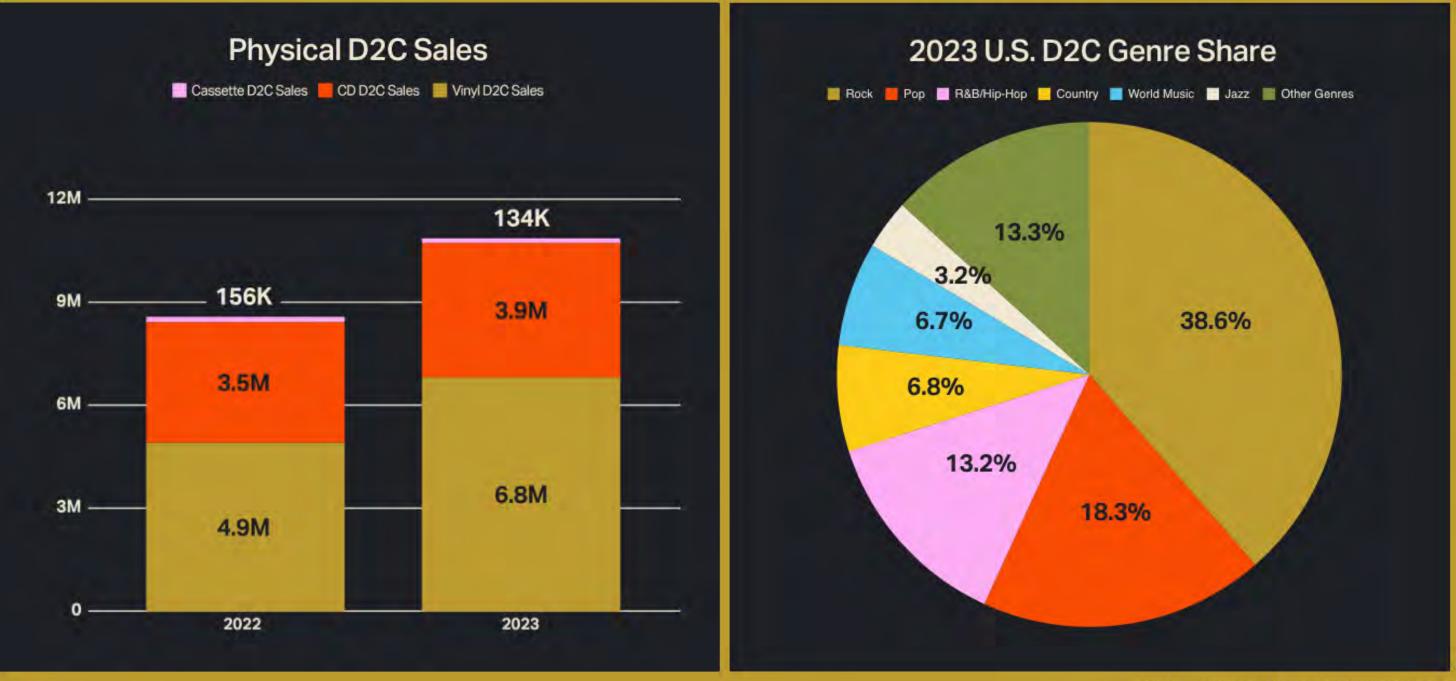
2023 P	Physical D2C Sales by W	Veek		
Cassette	e D2C Sales 📕 CD D2C Sales 📕 V	inyl D2C Sales		
1.25M ——				
1.00M				
750K ——				
500K ——				
250К —				
0	3/1/23	5/1/23	7/1/23 WEEK ENDING	9/1/23



11/1/23

D2C

The volume of U.S. Vinyl and CD D2C sales grew faster than the industry benchmark this year with over 60% of all D2C sales being Current titles



SOURCE: LUMINATE MUSIC CONSUMPTION DATA

Understanding Super Fans

Social Signaling

Super fans are oftentimes first in their network to discover new music, they express themselves outwardly through their fandom, and they love participating in the community super fandom provides

3

Expressions

of Identity



The Community

18% of U.S. Music Listeners are Super Fans

Super Fans spend +68% more money on music

each month than the average U.S. music listener

+126%

Super Fans spend 126% more on artist merch than the average music listeners

+76% Super Fans spend 76% more money on Physical Music

compared to the Average U.S. Music Listener

Gen Z spends 51% more money on artist merch than the average U.S. music listener

boygenius



VS ARE THOSE WHO ENGAGE W/ ARTISTS AND THEIR CONTENT IN 5+ DIFFERENT WAYS SOURCE: U.S. MUSIC 360 2023 - Q3

Big Business: K-Pop and J-Pop Merch

	HOW MUCH MONEY ON MERCH?	WHO WA
K-POP	Service Gen Z K-Pop fans report spending \$24/month on artist merch, +140% more than the average U.S. listener	+60%
J-POP	\$16 Gen Z J-Pop fans report spending \$16/month on artist merch, +100% more than the average U.S. listener	+103%

K-Pop fans are 50% more likely to purchase merch for a music event they did not attend and \$30.20 is the optimal price for a T-shirt among this group.

NTS MORE MERCH?



Average K-Pop fans are 60% more likely to agree or strongly agree that they wish artists provided more merch options to show support for them and their work



Average J-Pop fans are more than 100% more likely to agree or strongly agree that they wish artists provided more merch options to show support for them and their work

SOURCE: U.S. MUSIC 360 2023 - Q3, Q4 // ARTIST & GENRE TRACKER 2023 - Q3

U.S. Average Music Spend Increased YoY

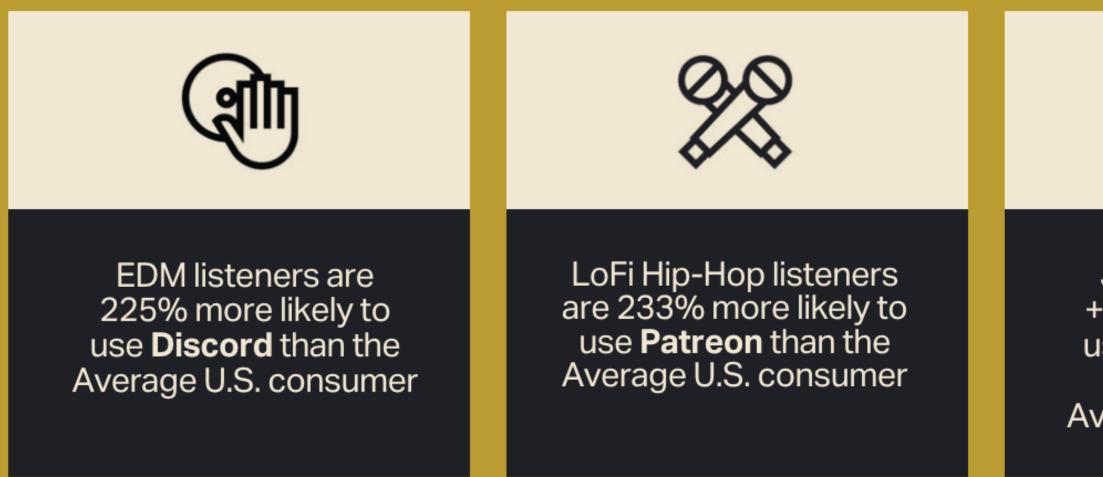
Total live music event expenditures make up 62% of monthly spend







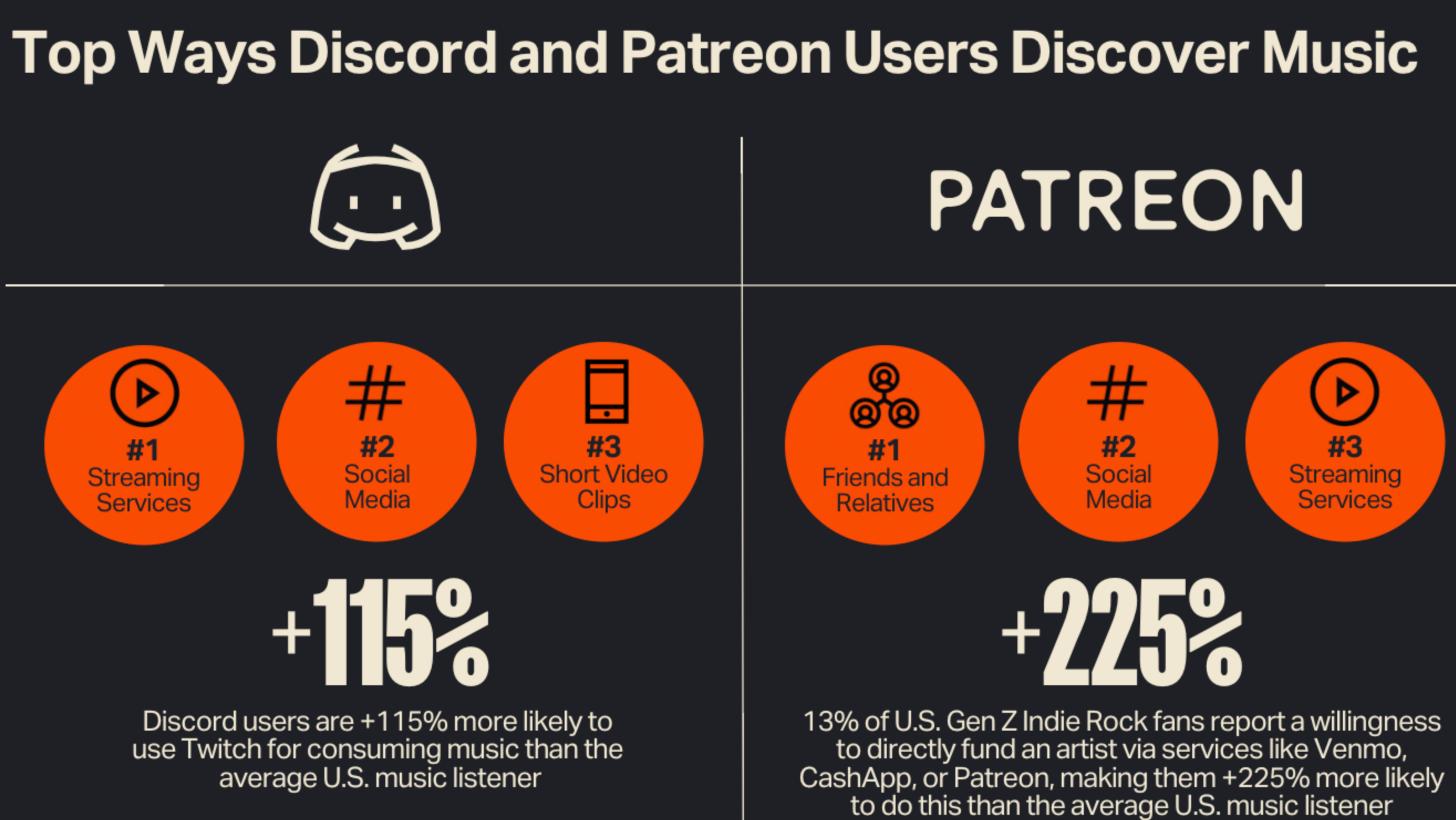
Passionate Fanbases are Most Likely to Use Community-Focused Platforms like Discord and Patreon





J-Pop listeners are +230% more likely to use either **Discord** or **Patreon** than the Average U.S. consumer

SOURCE: ARTIST & GENRE TRACKER 2023 - Q3



SOURCE: U.S. MUSIC 360 2023 - Q3

Soundtracks & Syncs

How Music Made Its Way On Screen in 2023 Dua Lipa

AEL

Taylor Swift

Taylor Swift has had a monumental year in music, but two key stats to note in the U.S.:

1.**79**% She makes up 1.79% of the Total U.S.

Market*

1 in every 78 Audio streams was a Taylor Swift song in the U.S. this year

1/78

*ALBUMS W/TEA W/SEA ON-DEMAND AUDIO

Music Goes to the Movies

TITLE	RELEASE DATE	U.S. BOX OFFICE OPENING WEEKEND	WORLDWIDE BOX OFFICE (AS OF 12/28/23)
Talking Heads: Stop Making Sense	9/29/23	\$1M	\$6.2M
Taylor Swift: The Eras Tour	10/13/23	\$92.8M	\$250.3M
Renaissance: A Film by Beyoncé	12/1/23	\$21.8M	\$42.9M

SOURCE FOR TAYLOR SWIFT INDUSTRY STATS: LUMINATE MUSIC CONSUMPTION DATA SOURCE FOR BOX OFFICE STATS: LUMINATE FILM & TV DATA SWIFT: MICHAEL BUCKNER



Movie Theater Goers...



Are 70% more likely to have attended a live concert in the last 12 months (34%) 59% say they like watching live streamed performances by music artists, which is 13% more than Gen Pop

0

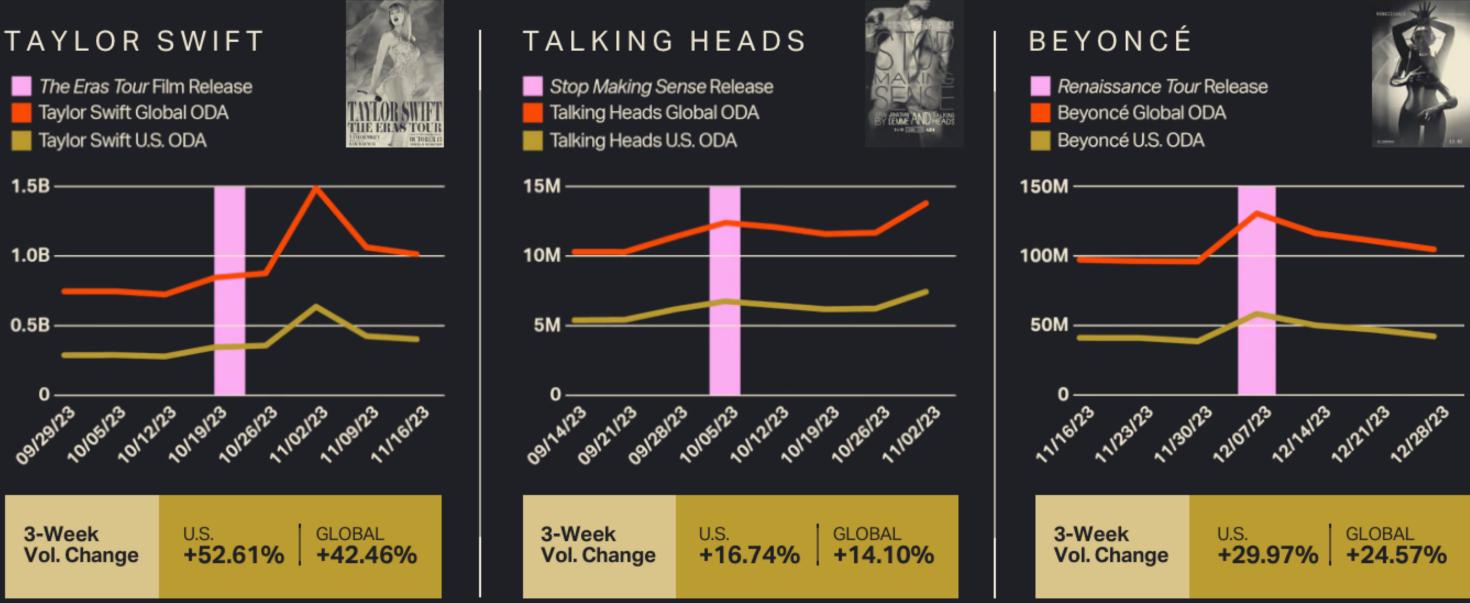
59%

Live Concert goers are 76% more likely to go to a movie theater in the next 3 months (60%)



A Global Audience

U.S. On-Demand Audio streaming increases outpace Global after three weeks of film release but U.S. and global both gain





SOURCE: LUMINATE MUSIC CONSUMPTION DATA

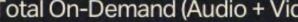
Movies, Music and Culture

Soundtracks provide an opportunity to introduce music to new Global markets

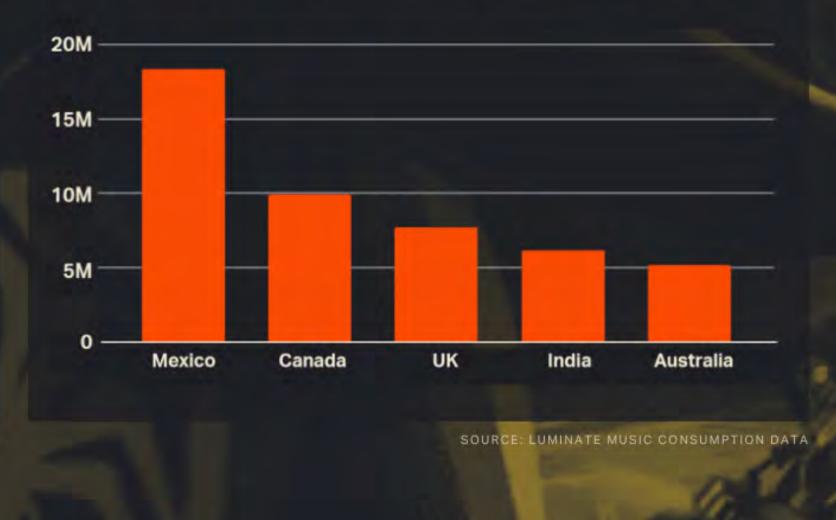
Spider-Verse Box Office Around the World

(Opening Weekend 6/1/23-6/4/23)

Top 5 Ex-U.S.	Coun	ntri	es	0	f
TILOD					



COUNTRY RANK	COUNTRY	BOX OFFICE	LOCAL BOX OFFICE RANK
	Worldwide	\$320.2M	1
1	U.S.	\$232.3M	1
2	Mexico	\$11.7M	1
3	United Kingdom	\$11.4M	1
4	Italy	\$2.6M	2
5	Spain	\$2.3M	1
6	Germany	\$2.1M	1
7	Hong Kong	\$765K	1



SOURCE: LUMINATE FILM & TV DATA

Top 5 Ex-U.S. Countries of Spider-Verse Soundtrack Total On-Demand (Audio + Video) Streams Week Ending 6/5/23

+43%

While Gen Z and Millennials are both more likely to discover new content through movies, Gen Z is 43% more likely to watch animated/cartoon movies than the average consumer



Millennials who listen to predominantly Black music genres (Afrobeats/Afropop, Gospel, Hip-Hop/Rap, Jazz, R&B and Reggae) are more likely to choose entertainment content that helps "connect with my culture/identity/ values" lce Spice

CREDIT: LEXIE MORELAND

SOURCE: U.S. ENTERTAINMENT 365 2023 - Q3

Music Discovery Through Film & TV

Barbie Weekend Box Office & Barbie the Album Streams (Excl. U.S.) JULY 21-23, 2023

TOP 5 EX-U.S. COUNTRIES FOR OPENING WEEKEND BOX OFFICE	WEEKEND BOX OFFICE	TOTAL ON-DEMAND STREAMS	TOP EX-U.S. MARKET RANK FOR BARBIE THE ALBUM (TOTAL ON-DEMAND STREAMS)
United Kingdom	\$17.0M	8.2M	1
Germany	\$8.7M	4.1M	7
Brazil	\$7.8M	7.0M	2
Australia	\$7.7M	4.1M	6
Mexico	\$7.3M	4.8M	4

SOURCE FOR BOX OFFICE STATS: LUMINATE FILM & TV DATA SOURCE FOR MUSIC STREAMING: LUMINATE MUSIC CONSUMPTION DATA GOSLING: CHRISTOPHER POLK



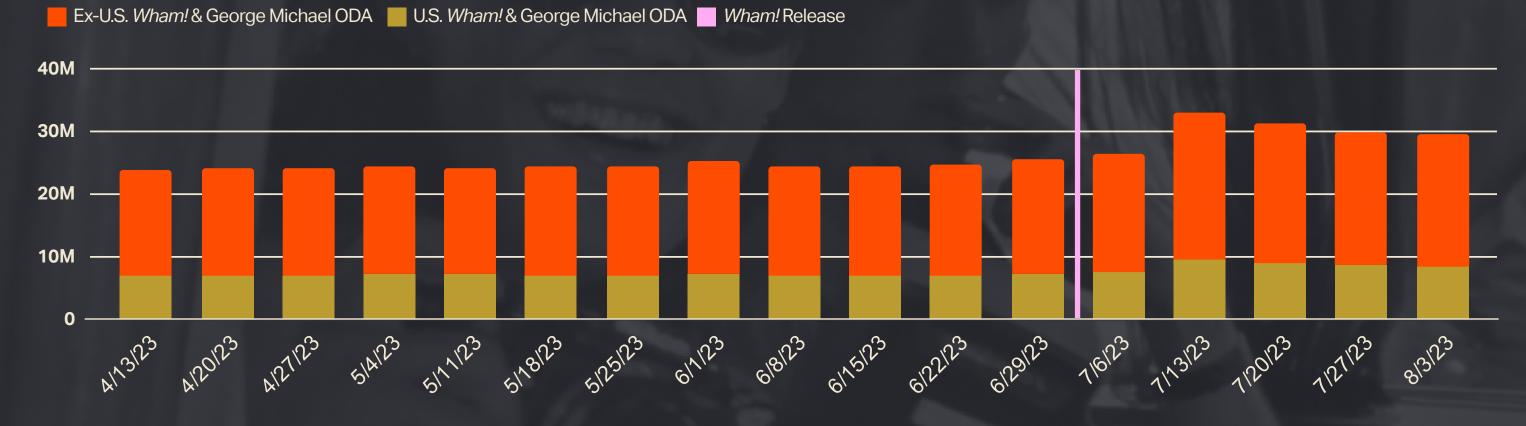


U.S. MUSIC 360 2023 - Q3 EILISH: MICHAEL BUCKNER



Streaming Documentaries Can Impact Consumption

Both Wham! and George Michael Experience Uptick in Consumption after Netflix Music Doc Release



	GLOBAL COMBINED ODA	U.S. COMBINED ODA	WHAM! GLOBAL ODA	GM GLOBAL OLDA	WHAM! U.S. ODA	GM U.S. ODA	COMBINED U.S. DIGITAL TRACKS	COMBINED U.S. CDs	COMBINED U.S. ALBUMS W/TEA W/SEA
3 Week Lift*	21.2%	37.9%	25.0%	16.6%	26.1%	21.8%	229.4%	388.3%	87.7%
5 Week Lift**	20.8%	22.3%	24.8%	16.0%	24.5%	19.3%	188.6%	393.3%	58.9%

*THREE WEEK COMPARISON: 6/9-29/23 VS 6/30-7/20/21 **FIVE WEEK COMPARISON: 5/26-6/29/23 VS 6/30-8/3/21

TREND 6 The Music Plays Forever Economic Realities of

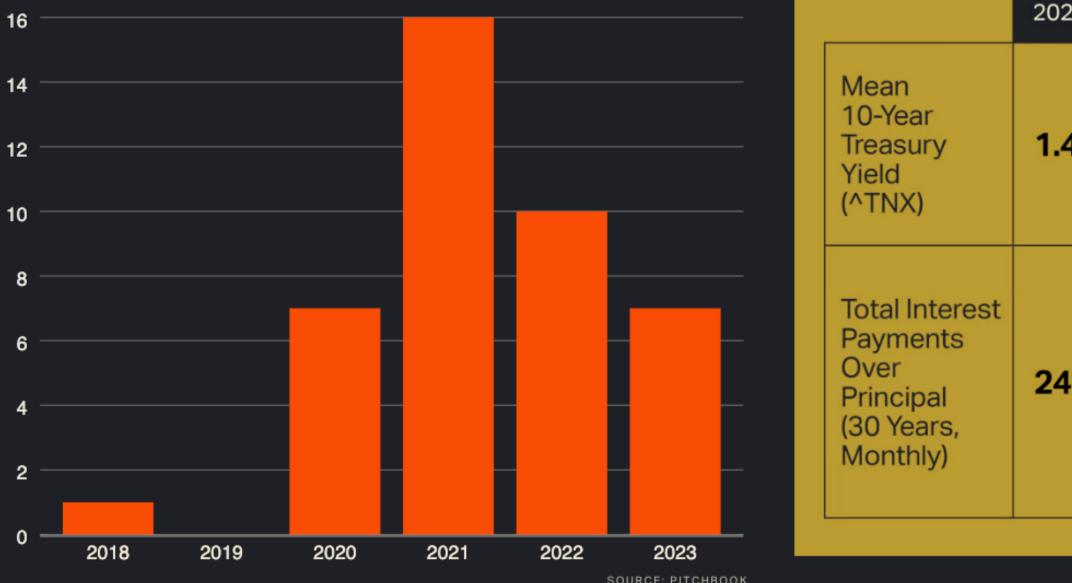
Catalog Royalties

ABBA CREDIT: BAILLIE WALSH



Finance Acquisition Deals

Number of Publicly Reported Music Finance Acquisition Deals 2018-2023 Greater than \$10M USD



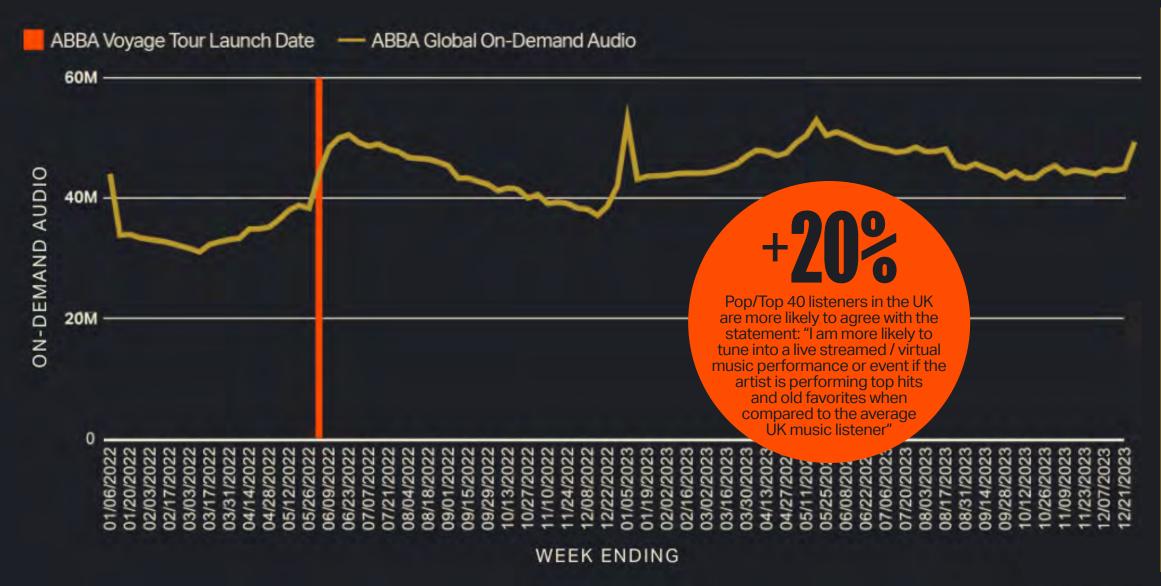
SOURCE: PITCHBOOK CHART REPRESENTS ONLY THOSE MUSIC ACQUISITION DEALS WHERE VALUE WAS PUBLICLY REPORTED

How Rising Interest Rates Affect Long Term Cost of Loan

21	2022	2023
46%	2.99%	3.96%
%	52%	71%

Energizing Legacy Content

The ABBA Voyage virtual concert tour launched on 5/26/22 for a minimum 2-year run and 2023 continues to show gains



Change 12 Weeks Before and After	37.4%
Change 26 Weeks Before and After	27.2%
2023 Weekly Average	46.4M
2022 Weekly Average	39.8M
2023 Average Over 2022 Average	16.7%
2023's Highest Week	52.9M
2023's Lowest Week	43.1M
2022's Highest Week	50.5M
2022's Lowest Week	31.0M

SOURCE: UK MUSIC 360 2023 SOURCE FOR MUSIC STREAMING: LUMINATE MUSIC CONSUMPTION DATA

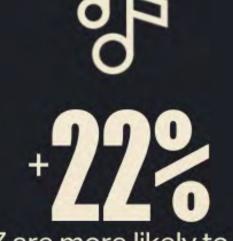
Virtual Concerts

Live music attendees are +170% more likely to attend a virtual concert than the average U.S. music listener

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JM Millennials who attend live events and virtual concerts on average spend 3X more per month on music activities than the average U.S. listener

"I am more likely to tune into a live streamed/virtual music performance or event if the artist is debuting new music when compared to the average U.S. music listener"



Gen Z are more likely to agree with the statement:

2023 Year-End Charts LUMINATE billboard



Top 10 Countries by Volume (Global)

Rank by Overall Streaming Volume (Total On-Demand Audio+Video)

Top 10 Countries by YOY Growth (Global)

Rank by Year-Over-Year Volume Growth (Total On-Demand Audio+Video)

	Country	Total Streams		Country	New Net Streams
1	United States	1.454T	1	India	463.7B
2	India	1.037T	2	United States	184.0B
3	Brazil	373.5B	3	Indonesia	93.1B
4	Mexico	366.5B	4	Brazil	91.2B
5	Indonesia	235.5B	5	Mexico	85.8B
6	Germany	217.6B	6	Japan	54.7B
7	Japan	209.0B	7	Republic of Korea [*]	49.3B
8	United Kingdom	204.7B	8	Turkey	37.1B
9	Canada	145.3B	9	The Philippines	35.2B
10	France	136.9B	10	United Kingdom	28.9B

DATA FROM MELON AND FLO ADDED TO LUMINATE STREAMING DATA PROVIDER PANEL FOR REPUBLIC OF KOREA DURING 2023

Top Albums (Canada)

1

2

3

4

5

6

7

8

9

10

Elton John

152,000

Diamonds

Album Sales + TEA + On-Demand SEA*

Top Songs (Canada)

Audio On-Demand Streams

9

Zach Bryan

10 Lady Gaga

		Total Album-	Album	Song	On-Demand	On-Demand		Artist				
Artist	Title	Equivalent Consumption	Sales	Sales	Audio Streams	Video Streams	1	Morgan Wallen				
							2	Miley Cyrus				
Morgan Wallen	One Thing	524,000	14,000	75,000	642.4 million	19.5 million	3	Rema & Selena Gomez				
worgan wallen	at a Time	024,000	14,000	70,000	042.411111011	19.011111011	4	SZA				
							5	Zach Bryan				
Taylor Swift	Midnights	275,000	31,000	36,000	312.3 million	9.2 million	6	Luke Combs				
							7	The Weeknd				
SZA	SOS	246,000	4,000	9,000	321.0 million	9.0 million	8	David Guetta & Bebe Rexha				
							9	Metro Boomin, The Weeknd & 21 Savage				
Morgan Wallen	Dangerous: The Double	212,000	3,000	18,000	266.1 million	12.6 million	10	Taylor Swift				
worgan wanen	Album	212,000	3,000	10,000	200.1111111011	12.0111111011	12.011111011					
Metro Boomin	Heroes & Villains	186,000	2,000	10,000	245.9 million	5.4 million	T Au	op Songs (Can dio + Video On-Demand				
Taylor Swift	1989 (Taylor's Version)	178,000	80,000	10,000	125.4 million	2.3 million	1	Artist				
							1	Miley Cyrus				
Taylor Swift	Lover	166,000	14,000	22,000	198.8 million	5.4 million	2	Rema & Selena Gomez				
											3	Morgan Wallen
The Weeknd	The	161 000	2 000	10.000	212 E million	12.9 million	4	Hans Zimmer				
The Weeknd	eknd Highlights 161,000	101,000	3,000	10,000	212.5 million	12.9 11000	5	Fifty Fifty				
							6	SZA				
Luke Combs	Gettin' Old	157,000	10,000	53,000	181.0 million	6.7 million	7	Tom Odell				
							8	J. Cole feat. Amber Coffman & The Cults				

190.7 million

11.1 million

33,000

3,000

* TOP 10 ALBUWS (ALBUM SALES + TEA + ON-DEMAND SEA): RANKED BY EQUIVALENT ALBUM UNITS, COMPRISING ALBUM SALES, TRACK EQUIVALENT ALBUMS (TEA), SANDS STREAMIG EQUIVALENT ALBUMS (SEA), TEACH UNIT = ONE ALBUM SALE, OR 10 TRACKS SOLD FROM AN ALBUM, OR 1, 250 PREMIUM ON-DEMAND OFFICIAL STREAMIS (3, 3, 750 Q.S.SUPPORTED ON-DEMAND OFFICIAL STREAMIS BY SONGS FROM AN ALBUM. (USER GENERATED CONTENT [UGC] ON-DEMAND STREAMIS ARE NOT INCLUDED.)

Song	Video Streams
"Last Night"	122.8 million
"Flowers"	99.3 million
"Calm Down"	87.9 million
"Kill Bill"	82.0 million
"Something in the Orange"	72.2 million
"Fast Car"	70.1 million
"Die For You"	63.7 million
"I'm Good (Blue)"	63.2 million
"Creepin"	60.9 million
"Anti-Hero"	60.8 million

Canada) nand Streams

Programmed Audio Streams
137.6 million
131.5 million
131.2 million
116.5 million
101.0 million
95.3 million
88.7 million
81.9 million
76.4 million
75.5 million

Top Albums (U.S.) Album sales + TEA + On-Demand SEA*

Top Albums (U.S.) Total Sales (Physical & Digital)

		Artist	Title	Total Album- Equivalent Consumption	Album Sales	Song Sales	On-Demand Audio Streams	On-Demand Video Streams		Artist
	1	Morgan Wallen	One Thing at a Time	5.362 million	326,000	745,000	6.357 billion	299.3 million	1	Taylor Swift
	2	Taylor Swift	Midnights	3.209 million	973,000	410,000	2.859 billion	84.9 million	2	Taylor Swift
	3	SZA	SOS	3.172 million	199,000	156,000	3.893 billion	214.4 million	3	Taylor Swift
	4	Taylor Swift	1989 (Taylor's Version)	2.872 million	1,975,000	118,000	1.151 billion	21.4 million	4	Travis Scott
	5	Morgan Wallen	Dangerous: The Double Album	2.179 million	54,000	200,000	2.738 billion	170.4 million	5	Stray Kids
	6	Taylor Swift	Lover	1.875 million	425,000	301,000	1.873 billion	50.1 million	6	Taylor Swift
	7	Travis Scott	Utopia	1.782 million	575,000	41,000	1.606 billion	34.8 million	7	Tomorrow x Together
	8	Taylor Swift	Speak Now (Taylor's Version)	1.775 million	909,000	100,000	1.108 billion	31.3 million	8	Taylor Swift
	9	Taylor Swift	folklore	1.612 million	466,000	103,000	1.497 billion	27.5 million	9	Olivia Rodrigo
1	10	Metro Boomin	Heroes & Villains	1.573 million	53,000	80,000	2.027 billion	59.6 million	10	Stray Kids



Title	Sales
1989 (Taylor's Version)	1.975 million
Midnights	0.973 million
Speak Now (Taylor's Version)	0.908 million
Utopia	0.575 million
5-Star	0.526 million
folklore	0.466 million
The Name Chapter: TEMPTATION	0.444 million
Lover	0.425 million
Guts	0.404 million
ROCK-STAR	0.385 million

U.S. Top Digital Song Consumption

Song Sales + On-Demand SES*

	Artist	Song	Song Sales + SES On-Demand Streams	On-Demand Audio Streams	On-Demand Video Streams	Song Sales
1	Morgan Wallen	"Last Night"	8.284 million	1.015 billion	101.4 million	302,000
2	Miley Cyrus	"Flowers"	6.362 million	0.634 billion	345.6 million	428,000
3	SZA	"Kill Bill"	6.314 million	0.803 billion	166.9 million	59,000
4	Zach Bryan	"Something in the Orange"	5.174 million	0.656 billion	51.4 million	107,000
5	Rema & Selena Gomez	"Calm Down"	4.811 million	0.457 billion	384.2 million	159,000
6	Taylor Swift	"Cruel Summer"	4.464 million	0.508 billion	175.4 million	156,000
7	SZA	"Snooze"	4.448 million	0.551 billion	99.7 million	50,000
8	Luke Combs	"Fast Car"	4.378 million	0.526 billion	36.0 million	251,000
9	PinkPantheress	"Boy's a Liar"	4.259 million	0.502 billion	263.0 million	24,000
10	Taylor Swift	"Anti-Hero"	4.159 million	0.503 billion	69.2 million	138,000

U.S. Top CD Album Sales

	Artist	Title	Sales
1	Taylor Swift	1989 (Taylor's Version)	800,000
2	Stray Kids	5-Star	520,000
3	Tomorrow x Together	The Name Chapter: TEMPTATION	442,000
4	Stray Kids	ROCK-STAR	381,000
5	Newjeans	2nd Ep Get Up	332,000
6	TWICE	Ready to Be	303,000
7	Seventeen	Seventeen 10th Mini Album Fml	288,000
8	Taylor Swift	Midnights	276,000
9	Taylor Swift	Speak Now (Taylor's Version)	267,000
10	Jung Kook (BTS)	Golden (Shine)	244,000

U.S. Top Vinyl Album Sales

	Artist	Title	Sales
1	Taylor Swift	1989 (Taylor's Version)	1,014,000
2	Taylor Swift	Speak Now (Taylor's Version)	510,000
3	Taylor Swift	Midnights	492,000
4	Travis Scott	Utopia	373,000
5	Taylor Swift	folklore	308,000
6	Olivia Rodrigo	Guts	267,000
7	Taylor Swift	Lover	256,000
8	Lana Del Rey	Did You Know That There's a Tunnel Under Ocean Blvd	215,000
9	Fleetwood Mac	Rumours	206,000
10	Lana Del Rey	Born to Die	192,000

 TOP 10 DIGITAL SONG CONSUMPTION: RANKED BY TRADITIONAL DIGITAL SONG SALES + SES UN WHERE 125 PREMIUM STREAMS = ONE SONG // 375 AD-SUPPORTED STREAMS = ONE SONG ON-DEMAND VIDEO SONG STREAMING INCLUDES OFFICIAL, SONG UGC AND NON-SONG UGC

U.S. Top Songs: On-Demand Streaming

Audio

	Artist	Song	Audio Streams
1	Morgan Wallen	"Last Night"	1.015 billion
2	SZA	"Kill Bill"	0.803 billion
3	Zach Bryan	"Something in the Orange"	0.656 billion
4	Miley Cyrus	"Flowers"	0.634 billion
5	SZA	"Snooze"	0.551 billion
6	The Weeknd	"Die For You"	0.539 billion
7	Eslabon Armado	"Ella Baila Sola"	0.526 billion
8	Luke Combs	"Fast Car"	0.526 billion
9	Morgan Wallen	"You Proof"	0.518 billion
10	Taylor Swift	"Cruel Summer"	0.508 billion

U.S. Top Songs: On-Demand Streaming Video**

Artistw Hans Zimmer J. Cole feat. Amber Coffman 2 3 **Cavendish Music** Lady Gaga 4 Heinz Kiessling, Gema 5 6 Fifty Fifty 7 TWISTED **Crystal Castles** 8 9 Lil Nas X & Jack Harlow 10 Tom Odell

U.S. Top Radio Songs

Based on Audience Impressions*

	Artist	Song	Audience
1	Miley Cyrus	"Flowers"	3.919 billion
2	Rema & Selena Gomez	"Calm Down"	3.643 billion
3	Metro Boomin, The Weeknd & 21 Savage	"Creepin"	3.529 billion
4	The Weeknd	"Die for You"	2.628 billion
5	SZA	"Kill Bill"	2.623 billion
6	Taylor Swift	"Anti-Hero"	2.491 billion
7	David Guetta & Bebe Rexha	"l'm Good (Blue)"	2.448 billion
8	Morgan Wallen	"Last Night"	2.435 billion
9	Luke Combs	"Fast Car"	2.358 billion
10	Harry Styles	"As It Was"	2.199 billion

U.S. Top Songs: Programmed Audio Streams***

	Artist	Song	Programmed Audio Streams
1	Morgan Wallen	"Last Night"	171.2 million
2	Morgan Wallen	"Wasted on You"	125.2 million
3	Bailey Zimmerman	"Rock and a Hard Place"	121.8 million
4	Chris Stapleton	"Tennessee Whiskey"	121.2 million
5	Miley Cyrus	"Flowers"	120.6 million
6	Morgan Wallen	"You Proof"	117.3 million
7	Luke Combs	"Fast Car"	107.6 million
8	TOOSII	"Favorite Song"	103.3 million
9	Chris Stapleton	"You Should Probably Leave"	102.5 million
10	Fleetwood Mac	"Dreams"	93.4 million

Song	Video Streams
"First Step"	1.149 billion
"She Knows"	0.755 billion
"Funny Song"	0.729 billion
"Bloody Mary"	0.669 billion
"Blue Blood"	0.615 billion
"Cupid"	0.596 billion
"Worth Nothing"	0.591 billion
"Transgender"	0.513 billion
"Industry Baby"	0.484 billion
"Another Love"	0.472 billion

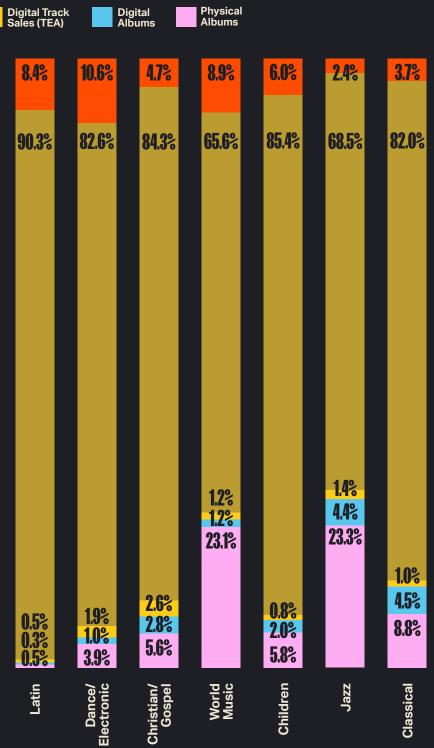
U.S. Share of Total Volume by Format and Genre

Selected Top Genres

U.S. Share of Total Album-Equivalent Consumption by Format

	Genre	Albums + TEA + SEA On- Demand	Total On- Demand Streams	On- Demand Audio Streams	On- Demand Video Streams	Total Album Sales	Physical Album Sales	Digital Album Sales	Digital Song Sales
1	R&B / Hip-Hop	25.3%	26.6%	27.0%	24.4%	12.9%	13.4%	10.4%	15.0%
2	Rock	19.4%	16.2%	17.0%	11.9%	41.5%	43.4%	32.5%	22.7%
3	Рор	12.3%	12.6%	11.8%	17.4%	12.7%	13.3%	9.6%	17.0%
4	Country	8.4%	7.8%	8.5%	3.3%	7.8%	7.2%	10.6%	13.2%
5	Latin	6.9%	8.3%	8.0%	10.0%	0.6%	0.5%	1.1%	2.9%
6	Dance / Electronic	3.4%	3.8%	3.3%	6.2%	1.7%	1.7%	2.1%	5.4%
7	World Music	2.7%	2.5%	2.2%	4.1%	6.9%	8.0%	2.0%	2.6%
8	Christian / Gospel	1.7%	1.7%	1.7%	1.4%	1.5%	1.2%	2.9%	3.6%
9	Children	1.1%	1.1%	1.1%	1.1%	0.9%	0.8%	1.4%	0.7%
10	Jazz	1.0%	0.7%	0.8%	0.4%	2.8%	2.8%	2.5%	1.1%
11	Classical	0.9%	0.8%	0.9%	0.6%	1.3%	1.0%	2.5%	0.8%







Luminate is the preeminent entertainment data and insights company, unleashing access to the most essential, objective, and trustworthy information across music, film and television, with data compiled from hundreds of verified sources. Today, the company maintains its more than 30-year legacy of accurate storytelling by powering the iconic Billboard music charts, while also acting as the premiere database for the television and film industries. Working closely with record labels, artists, studios, production companies, networks, tech companies, and more, Luminate offers the most valued source of comprehensive, independent, and foundational entertainment data that drives industry forward. Luminate is an independently operated company and a subsidiary of PME TopCo., a joint venture between Penske Media Corporation and Eldridge.

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