## The Impact of **Digital Promotion** on Oncologists

2022 - A Year in Review





A PRODUCT OF ZOOMRX

### Dear Pharma Marketing Community,

We, the Perxcept team at ZoomRx, put together this report to provide insights into the 2022 digital promotional landscape. Though there is much data on how individual brands fare in terms of their own promotional activity, there is little understanding on how this promotional activity impacts HCPs, particularly within the broader context of competing brands vying for the same customer attention.

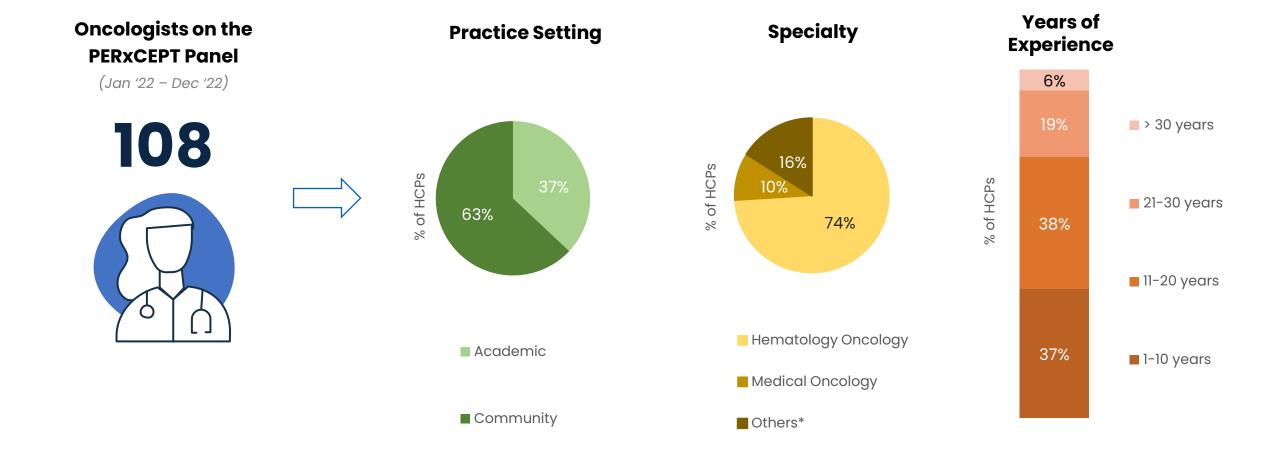
This report aims to shed some light on the subject by tracking the online activity of 100+ oncologists through their PC and mobile devices, providing unique insights from the perspective of the customer. Among other findings, we discovered that:

- The average oncologist spends ~4 minutes a day on their personal device browsing healthcare-related content
- Only 8% of the display ads they are exposed to are relevant to healthcare
- A substantial proportion of branded website traffic comes from healthcare news articles
- And much more...

I invite you to take a closer look at the report and look forward to hearing from you with any thoughts and/or comments you might have.

Best,
Mario Fernando, Product Manager @ Perxcept
mario.ashwin@zoomrx.com



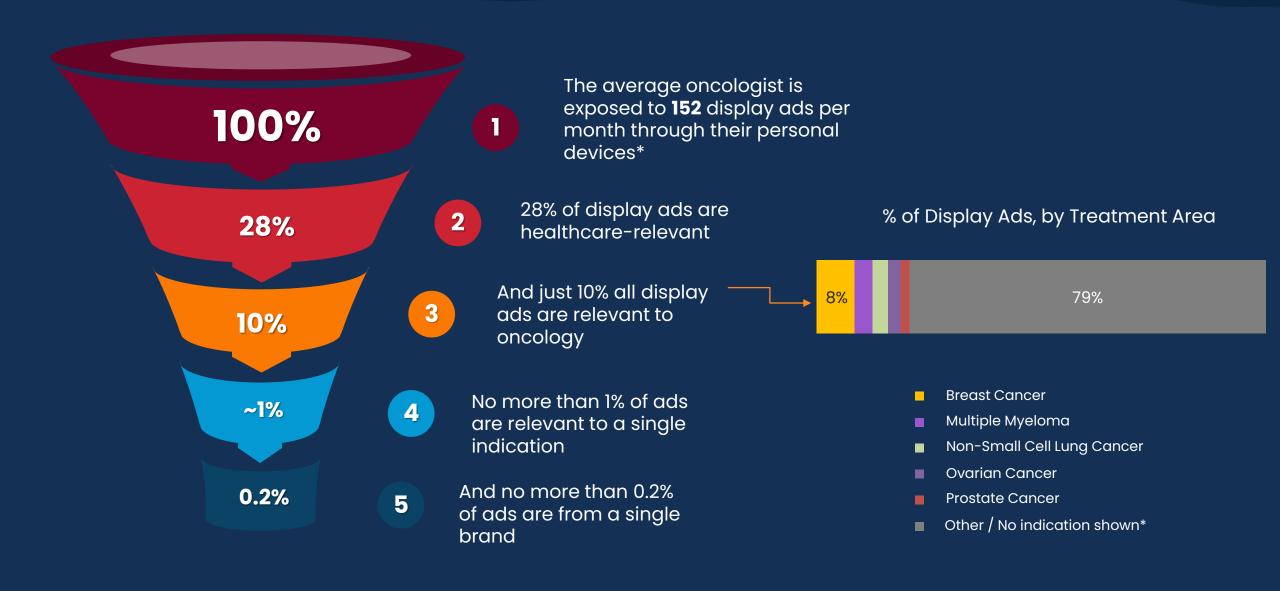




**Exposure to Different Digital Channels** 



Though the average oncologist is exposed to 150+ display ads per month, only a small proportion of them are relevant to oncology





## **Exposure to Different Digital Channels**

**Engagement with Healthcare Websites** 

**Exposure to Display Ads** 

**Exposure to Promotional Emails** 



## Academic HCPs spend ~35% more time online than Community HCPs, but attention is limited across the board



Median time spent per webpage (Mean: 43 seconds)

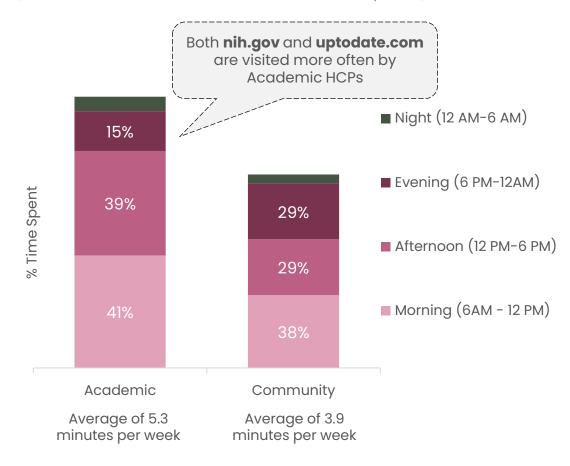


~7

Average no. of healthcare-relevant webpages browsed per day

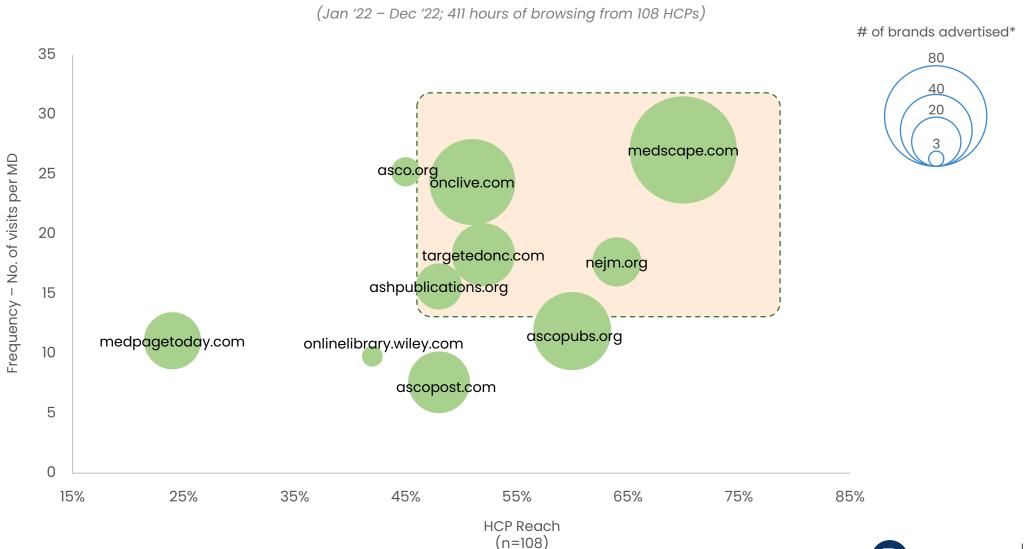
#### Web Engagement – Practice Setting vs Time Of Day

(Jan '22 - Dec '22; 40 Academic and 68 Community HCPs)

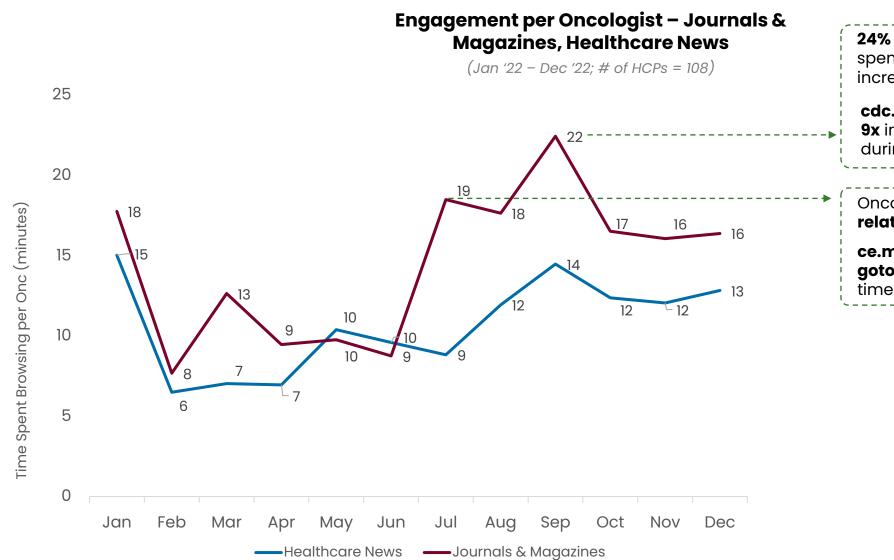


# While there is comparable engagement across medscape.com and nejm.org, Medscape has far more brands competing for ad space than NEJM

### Top 10 Websites hosting 3<sup>rd</sup> Party Ads



## There are large spikes in journal-related web browsing during and after key oncology conferences



**24%** of the time browsing journals in Sep was spent on **ESMO-related webpages** – an increase from **14%** in Aug

**cdc.gov, ce.mayo.edu** and **esmo.org** saw a **9x** increase in browsing time in Aug (i.e., during ESMO) compared to Sep

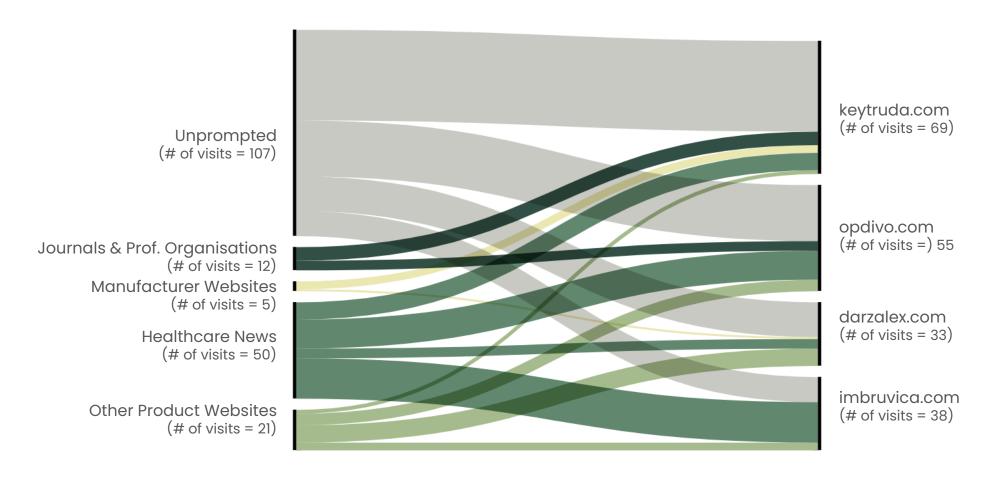
Oncologists browsed 70% more **ASCO- related content** in July compared to June

**ce.mayo.edu, ascopost.com** and **gotoper.com** saw a 10x increase in browsing time during this period

# Most HCPs arrive at product websites without any online prompt; however, a substantial proportion of branded website visits occur right after reading healthcare-related news articles

#### **Source of Product Website Visits**

(Jan '22 - Dec '22; # of visits = 542)





## **Exposure to Different Digital Channels**

**Engagement with Healthcare Websites** 

**Exposure to Display Ads** 

**Exposure to Promotional Emails** 



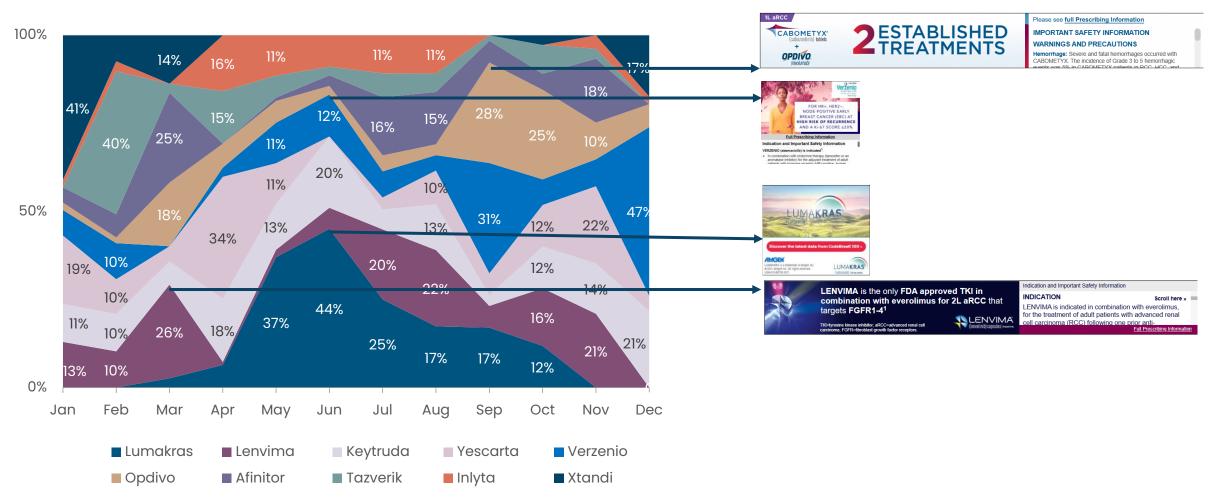
# Lumakras had the greatest display ad SOV amongst oncologists in 2022; Keytruda ads were encountered consistently over the year

#### Share of Display Ads - Top 10 Brands

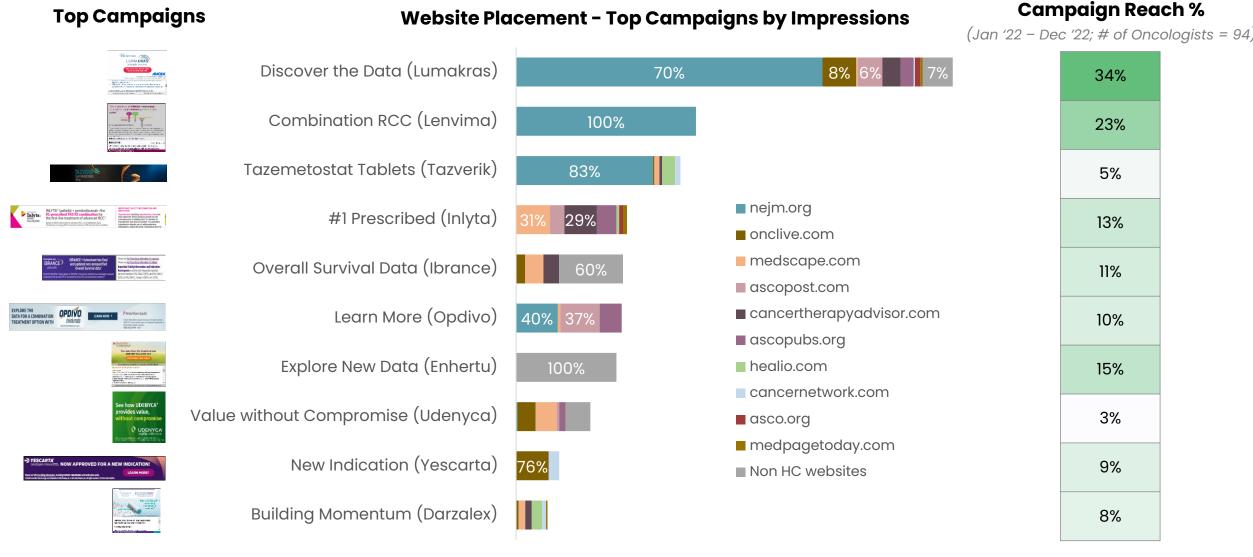
(Jan '22 - Dec '22, # of Panelists = 94)

### Top Campaigns Driving Major MoM changes

(Jan '22 - Dec '22)

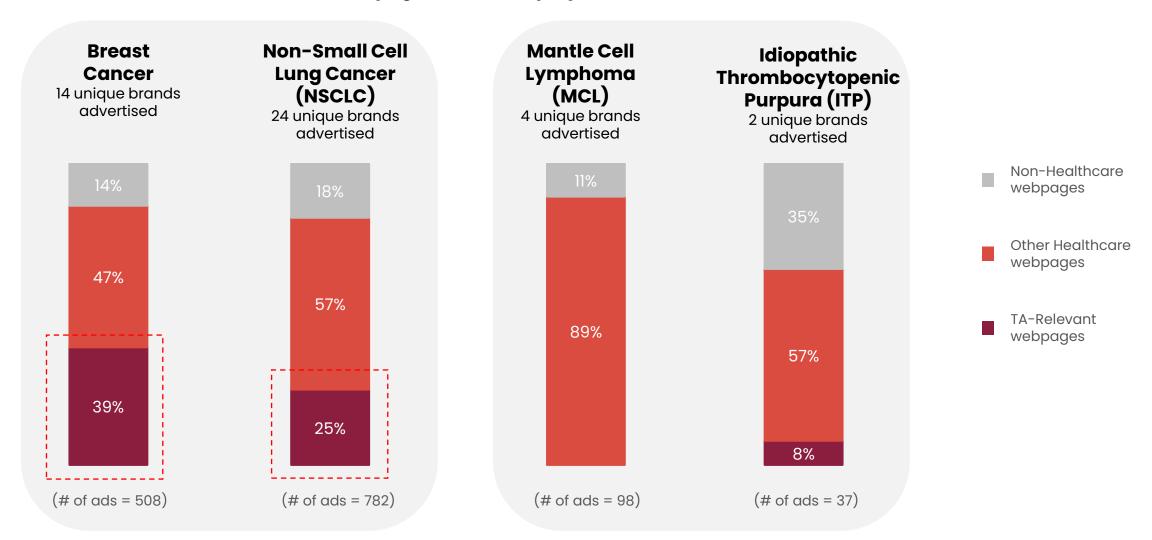


## Three of the Top 10 campaigns were encountered primarily on nejm.org – one of the most frequently visited (and least competitive) websites when it comes to display ads



# MDs frequent treatment-area specific webpages for more prevalent diseases, thus encountering more targeted ads; other TAs rely on MDs encountering ads outside of TA-specific webpages

#### **Webpages Where Display Ads Were Encountered**





## **Exposure to Different Digital Channels**

**Engagement with Healthcare Websites** 

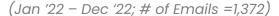
**Exposure to Display Ads** 

**Exposure to Promotional Emails** 



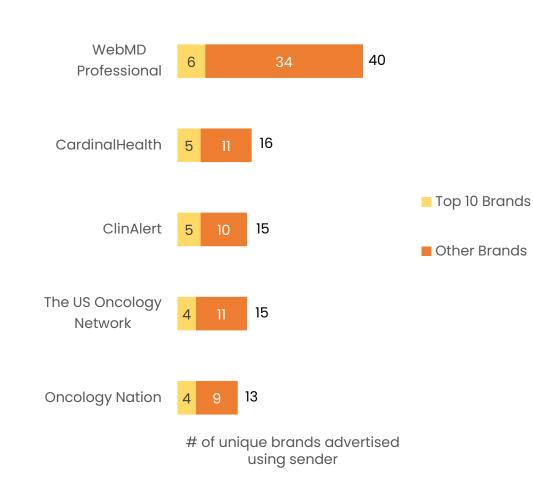
## MDs encountered the most diverse paid brand promotion in newsletter emails sent from WebMD; Keytruda was the most consistently encountered brand

#### Paid Brand Promotion Encountered in Emails - Top 10 Brands



#### 100% 6% 10% Opdivo Verzenio 3% 6% Jakafi Calquence 7% 9% 6% Venclexta 50% 17% 9% 15% 15% 12% Libtayo 25% 13% Enhertu 13% Lynparza 43% 40% 40% 38% 37% ■ Lenvima 31% 32% 27% 26% 26% 21% Keytruda 0% Jun Feb Apr May Sep Oct Nov Jan Mar

#### Top Third-Party Websites Sending Emails





**Exposure to Different Digital Channels** 

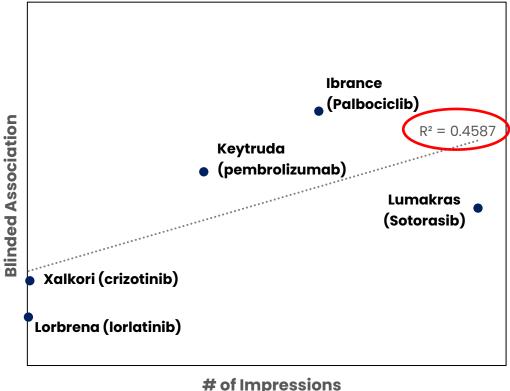


The <u>Campaign Impact Assessment Module</u> combines PERxCEPT digital tracking technology with primary market research to quantify the true impact and effectiveness of digital campaigns

KEY METRICS	WHAT DOES IT MEAN?
Brand's Blinded Association	Understanding how well a campaign is associated to the brand
Effectiveness Score	Learn about likelihood to attract, the relevance of the information to create an impact on HCP
Understand Campaign Effectiveness	Inform if the campaign is effective, what works vs. not. Clear actions on what needs to be changed to make it work
Actionability Score	Capture actions performed. Eg: Read about a product, Discuss with patients/colleagues, Talk to a rep etc.,
Custom Questions	Clients can also add any custom questions pertaining to digital ads, like recall etc., as brands demand

The perception of a campaign's effectiveness had no relationship to the number of impressions it received

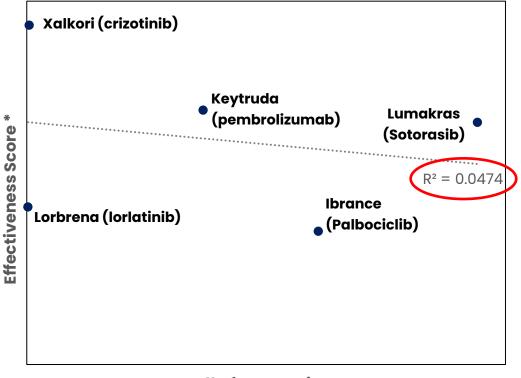
### # of Impressions vs Blinded Association



# of Impressions

**High Correlation Between** Impressions and Association

### # of Impressions vs Effectiveness Score \*



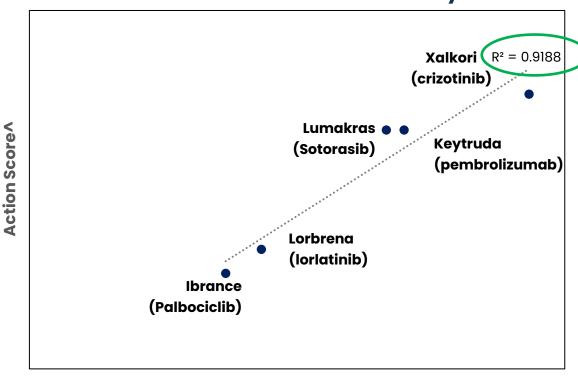
# of Impressions

No Correlation Between Impressions and Effectiveness



### However, the effectiveness of a campaign directly translates to real-world action

### **Effectiveness vs. Actionability**





Effective campaigns drive real-world actions, including seeking more product information and discussing the product with colleagues and patients



**Optimizing Campaign Effectiveness** is imperative to driving real-world actions & experience

**Effectiveness Score \*** 

High Correlation Between Effectiveness and Action



## Methodology

PERXCEPT collects and catalogues every campaign, across every channel, for every brand in in an automated, Al-driven manner

PERXCEPT integrates
your omnichannel
performance with
deep voice-ofcustomer insights to
quantify impact



## **How does PERXCEPT work?**

## PERXCEPT = Google for Pharma + Nielsen Box



PERXCEPT goes **broad** via profile driven web-scraping

- Google like crawling of the life sciences web
- Enables significantly greater breadth at scale
- Comprehensiveness is made possible



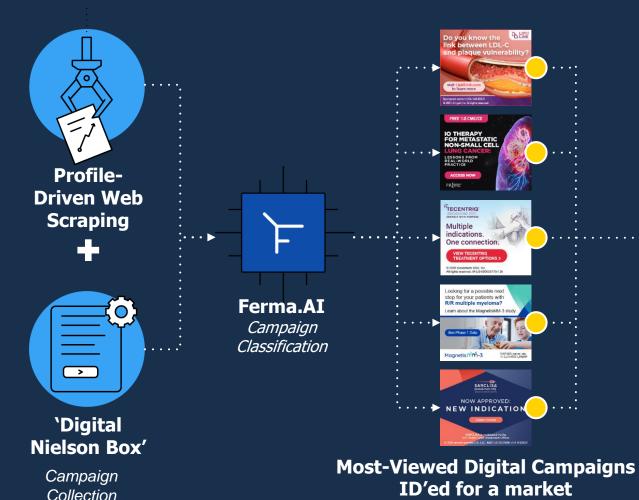
PERXCEPT goes <u>deep</u> via Web Browser Extension

- Nielsen Box approach for HCPs and Patients
- Fully opt-in; compensated
- See what your target audience sees
- Targeted as per your targets

## Real-time assessment of the top digital campaigns in the market

### **Real-Time Campaign Identification**

powered by PERXCEPT



### **Campaign Impact Assessment**

collected directly from target customers



