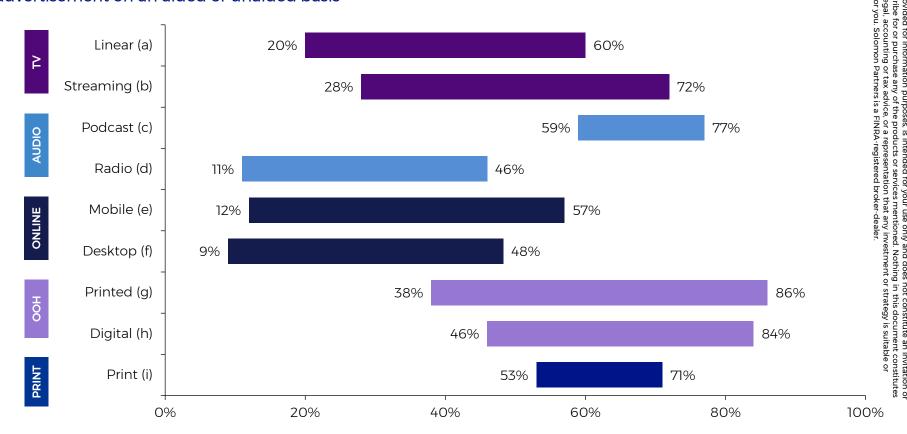
## **ADVERTISING EFFECTIVENESS**

## Solomon Partners Study and Recall Comparison Analysis



Advertising recall defined as advertising effectiveness in which respondents were exposed to an advertisement and then at a later point in time, respondents were asked if they remembered the advertisement on an aided or unaided basis



Sources: Vistar (2022), Nielsen (2022), tvScientific (2021), The Drum (2021), Kickstand Communications (2021), Nielsen (2020), Thinkbox (2020), Comcast (2020), National Library of Medicine (2020), Talon Outdoor (2019), Comcast. Effectv and MediaScience (2019), Survata (2019), The Harris Poll (2019), IAB (2019), IBS (2019), Coda (2016-2018), Magna Global (2018), Nielsen Case Campaign Effect Study (2017), True Impact, Canada Post. Note: Represents aggregation of publicly available studies on advertising recall from 2017 - 2022. Ranges shift depending on aided vs. unaided recall basis, length of time for recall and sample size / nature and scope

a) Includes traditional cable or satellite channel television.

b) Includes over-the-top (OTT) media services such as streaming services and smart TVs

d) Includes terrestrial and non-terrestrial / streaming radio, including either analog radio or digital audio over a variety of radio formats (broadcast, simulcast, satellite radio, internet radio, via streaming, media on the internet) and a range of 1-7 mentions of the brand in a given segment.

e) Includes interactive and non-interactive banner ads that appear embedded in mobile websites, downloaded apps or in mobile games on smartphones and tablets. Does not include text ads via short message service (SMS).

f) Includes all forms of desktop display advertising on websites, including text, image, flash, video and audio.

g) Includes all forms of outdoor advertising, including billboards, posters, wallscapes, rotary programs, transit, airport advertising and in retail venues. h) Includes digital media used for marketing outside of the home and includes digital billboards, digital placed based networks and digital signage.

i) Includes advertising in newspapers, magazines, directories, direct mail and circulars.