

# comScore/UKOM Summary of Methodology

April 2018

# Relationship between UKOM and cS

**comScore** and **UKOM** are separate entities with contractual relationship

## **UKOM = Governance Body**

UKOM, via its Executive, Technical and Commercial Boards, monitors and governs the quality and methodologies of the comScore approach providing reassurance to the industry that standards are being met in the UKOM endorsed products

## **comScore = Digital Audience Data Possessor**

comScore develops methodologies, processes data, supplies the market with audience data and provides subscribers with an interface

# comScore/UKOM Digital Audience Measurement

**Who** is this presentation for and how can they use comScore/UKOM data?

- Buy and sell side: people that use comScore tools to create reports, but don't have any in-depth knowledge around the methodology
- Delivers common UK industry standard for online audience reporting and planning
- Allows competitive comparisons, campaign planning, audience trend analyses, reach/frequency analyses and much more

**What** data do we provide?

- Comprehensive data about digital audiences across websites, mobile apps and content categories

**Where** can you access it?

- Via the comScore user interface

**How** do we do it?

- Integrating census (tag) with panel (person-centric) measurements

# What does comScore/UKOM Report on?

## **comScore/UKOM data reports on:**

- ✓ Online audiences across devices
- ✓ “The consumers of content”

# What does comScore/UKOM Measure?

The UK population connecting to the Internet at least once a month from one of the following devices:

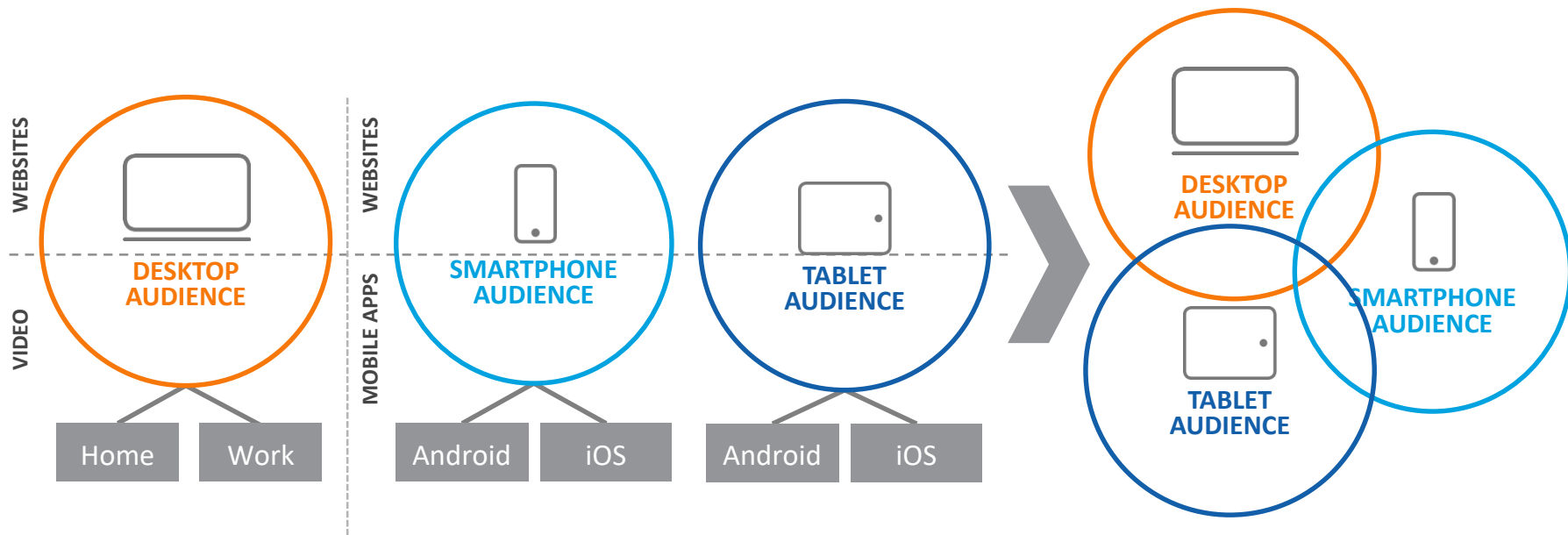
## Computer/Laptop

- **Home\* computer audience:** users aged 6+ years
- **Work\* computer audience:** users aged 18+ years

## Smartphone/Tablet

- Any location
- Android or iOS
- Main users of a phone or tablet device (single user per device)
- Aged 13+ audience for tagged entities; 18+ for both tagged and non-tagged entities

# comScore/UKOM Data Reports on De-Duplicated Audiences Across Platforms using a modelling technique



# comScore Unified Digital Measurement Methodology: the Integration of Tag and Panel Data

## PERSON MEASUREMENT

PASSIVE PERSON-CENTRIC

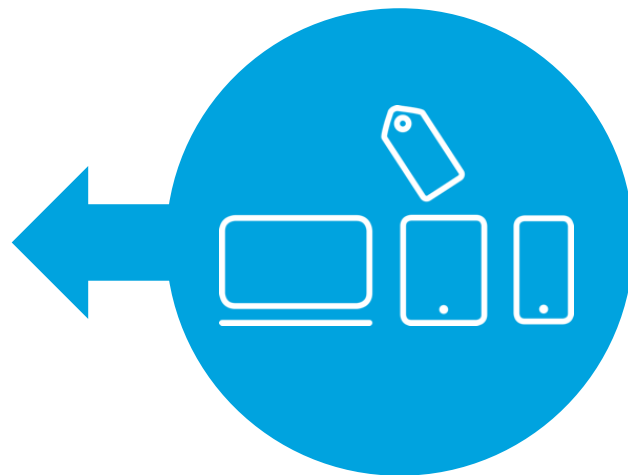


### PANEL

Panel (person) data provides cookie per person information (PC), demographic data, and projections for websites and apps without a tag

## DEVICE MEASUREMENT

SITE/CONTENT-CENTRIC



### CENSUS PAGES TAGS, SDKS

Census (tag) data provides accurate volumes of the traffic for tagged sites (incl. content distribution channels)

**UDM**  
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MEASUREMENT  
METHODOLOGY

# Focus on Census Measurement

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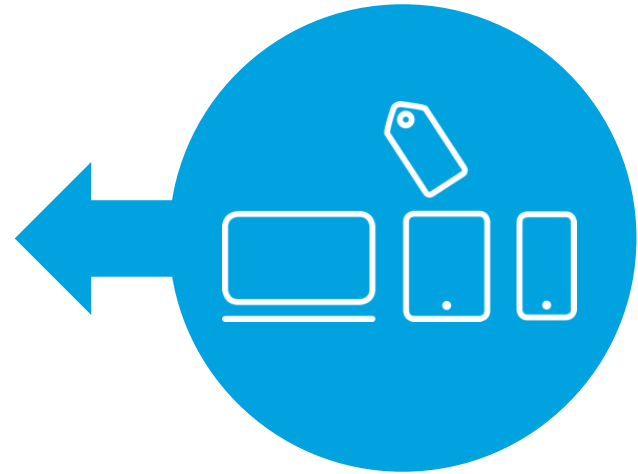


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# Census Data: Site/App-Centric Measurement Collected via Tags



- A tag is a short code that is placed on a website or other web based content asset and is used to track an 'event' (e.g. page view, mobile app call, etc.)
- Census data reports on complete traffic for tagged content visited from all devices
- Some media provide census-like feeds delivering the same level of information as census (e.g. YouTube, 3<sup>rd</sup> party content distribution platforms)

## Tagging brings benefits for accuracy:

- **Introduces** increased granularity and stability for smaller media entities
- **Assures** that all activity is credited
- **Delivers** audience data for platforms where a panel is not maintained (Android Tablets)
- **Covers** all platforms and provides a picture about device shares

# Census Data: Device Platforms Reported in Multi-Platform Audience



- What devices are captured in comScore/UKOM multi-platform audience data?

Device platform	Captured by Census Data	Included in Multi-Platform Audience Data
PC	✓	✓
Mac	✓	✓
Android Phone	✓	✓
iPhone	✓	✓
iPad	✓	✓
Android Tablet	✓	✓
Other mobile OS & devices	✓	✗
OTT & other devices	✓	✗

# Focus on Panel Measurement

## PERSON MEASUREMENT

PASSIVE PERSON-CENTRIC



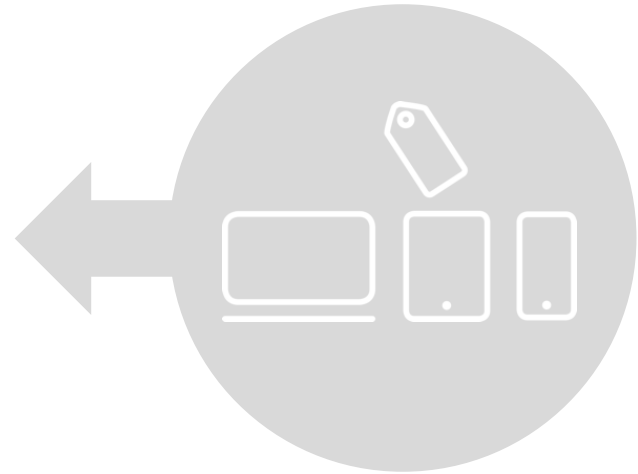
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## DEVICE MEASUREMENT

SITE/CONTENT-CENTRIC



### CENSUS PAGES TAGS, SDKS

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# comScore Panels in the UK



- The panel is a subset of UK internet users that installed comScore meters on their devices which track their online behaviour
- It is nationally representative and weighted to the universe estimates based on the PAMCo survey
- Sample sizes per device (Q1/2018):
  - **Desktop/laptop ~ 75k persons, age 6+ years**
  - **Total Mobile (all together) ~ 11.5k persons**
    - Android phone ~ 5.2k persons, age 18+ years
    - iPhone ~ 4.6k persons, age 18+ years
    - iPad ~ 1.7k persons, age 18+ years

## Panel details:

- **Desktop and laptop**

Windows computers are empanelled but Macs are not covered (they are covered by census and universe estimates)

- **Mobile devices**

an assumption of one user per device is applied (the main user concept)

- **Sample is weighted to be fully balanced**

- Demographic weighting targets provided by the enumeration study (PAMCo)
- Behavioural weighting targets (Internet intensity\*) for desktop are inferred from total country census (tag) data

# Desktop Panel: Passive Measurement of Online Activity



## WHO IS USING THE COMPUTER?

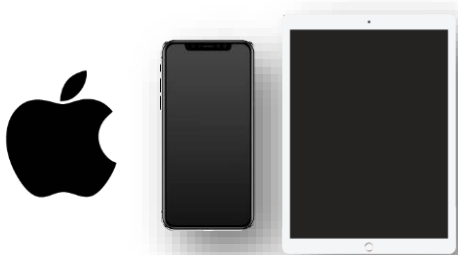
**Continuous passive measurement via a software meter distinguishes between users of a computer and assigns each browsing session to a specific person**



# Mobile Panel: Measurement of Websites (URLs) and Apps



## iPhones/iPads



**Connected** usage for both web and apps

## Android Phones



**Connected** usage for web;  
**In Focus** usage for apps

METERS RETRIEVE TRAFFIC IN REAL TIME

comScore

- Due to iOS and Android operating system constraints there are minor differences in panel measurement between iOS and Android
- Android Tablet panel isn't maintained in the UK and thus Android Tablet audiences are reported only for tagged sites and apps

# Quality Assurance Processes

## Invalid Traffic Filtration: Both General and Sophisticated IVT is filtered out

- Bots
- Adware & Browser Hijacks
- Ad Injectors
- Domain Laundering
- Data Centre Traffic

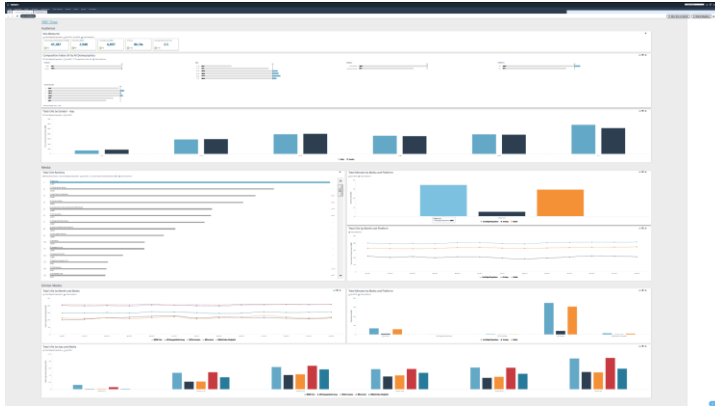
URLs not requested by users are filtered out (*e.g. pop-ups, pop-unders, redirects, ad banners*)

## Data integrity controls applied to both census and panel data:

- Data collection hourly monitoring, daily processing checks, data variance controls, monthly data quality assurance processes

# How do I get access to comScore/UKOM Digital Audience Data?

## comScore MyMetrix Interface – online system for data analyses



Fast dashboards and charts

A screenshot of the comScore MyMetrix interface showing a detailed data table. The table has multiple columns including 'Segment', 'Audience', 'Engagement', and 'Performance'. The data is organized into rows, with each row representing a specific segment or metric. The table is scrollable, and there are filters and sorting options available at the top. The interface is clean and professional, with a dark theme and clear typography.

Detailed stats

## Third party bureaux

# Audiences Reported in Specific comScore Products

## **MMX**

Audience visiting websites from desktop computers

## **Video Metrix Desktop (VMX)**

Audience consuming video from desktop computers

## **Mobile Metrix (MoMX)**

Audience interacting with mobile applications and visiting websites from Android or iOS smartphones or tablets

## **MMX Multi-Platform**

De-duplicated audience of MMX, VMX Desktop and MoMX

## **Video Metrix Multi-Platform**

(VMX MP) De-duplicated audience consuming video from desktop computers or mobile devices

# APPENDIX

# Universe under measurement reported in comScore/UKOM data

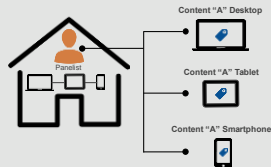
## UK online users connecting to internet at least once a month

Platform	Persons 6-12	Persons 13-17	Persons 18+
<b>Desktop</b> (Home & Work)	Included	Included	Included
<b>Mobile</b> (All locations)	Not included	Included (tagged content only)	Included (Android and iOS)
<b>Multi-Platform</b> (Desktop & Mobile)	Desktop only	Desktop + Tagged mobile content	All platforms (tagged + non-tagged)

## Enumeration source: PAMCo study

- PAMCo (<http://pamco.co.uk/>) is the resource of internet penetration data for Great Britain
  - Based on a random sample of 35,000 persons per annum in GB
  - Includes comScore questions to gather household, respondent and internet information on variables needed for universe estimates (weighting targets)
  - Provides comScore with internet penetration estimates on quarterly basis
- ICM Omnibus data is used as the establishment survey for Northern Ireland

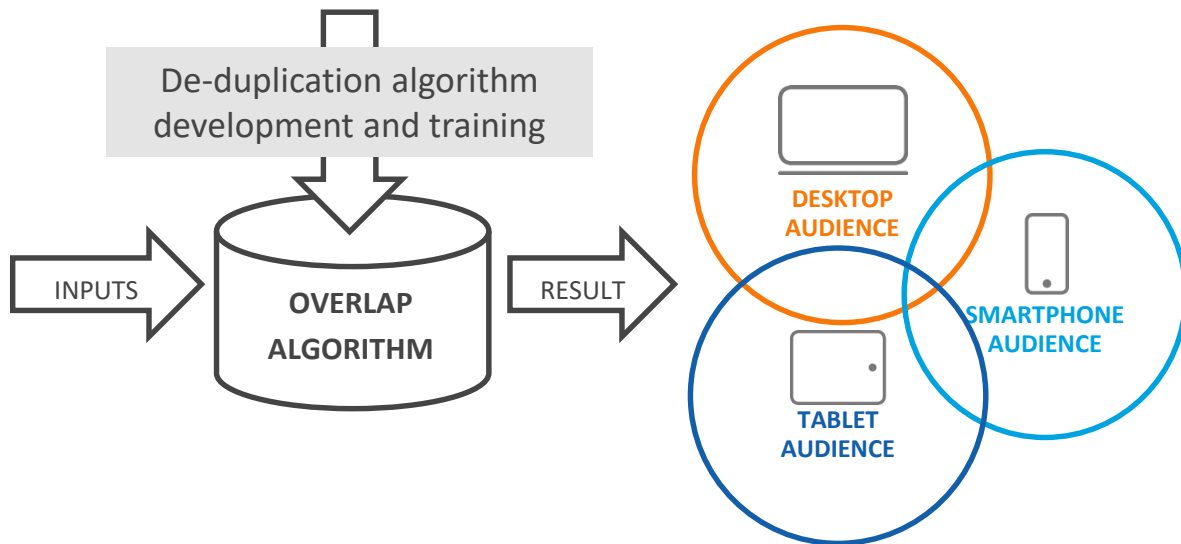
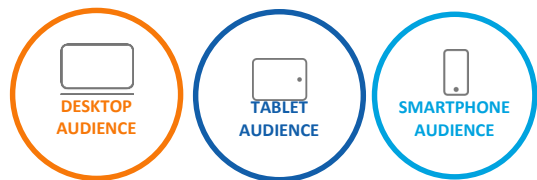
# Digital Audience De-Duplication: Overlap Algorithm Informed by Single Source Data



## Single source dataset based on subset of country tag census data

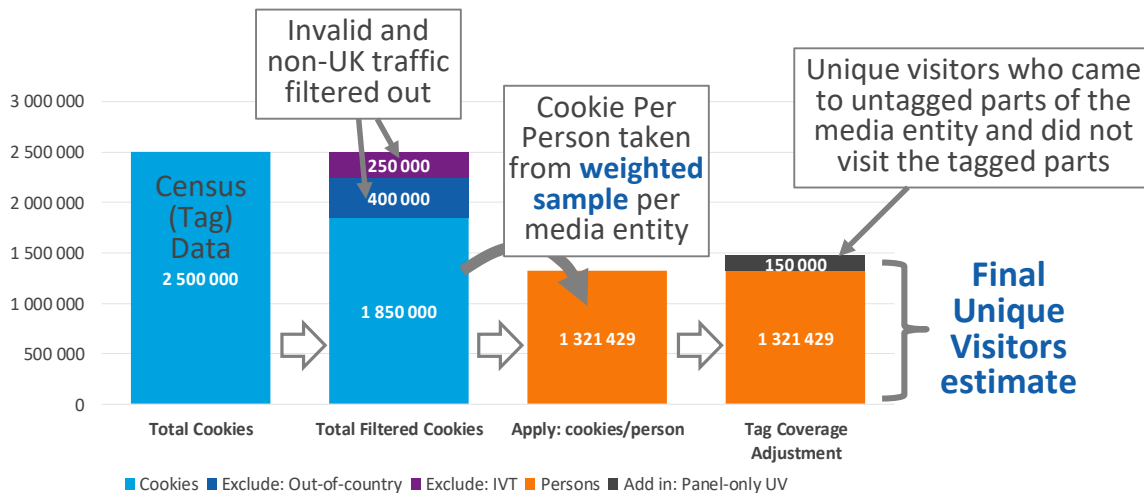
Provides cross-device behaviour observations at an individual person level

**Entity Audience Results per Platform** *(reported in MMX, Video Metrix, Mobile Metrix)*

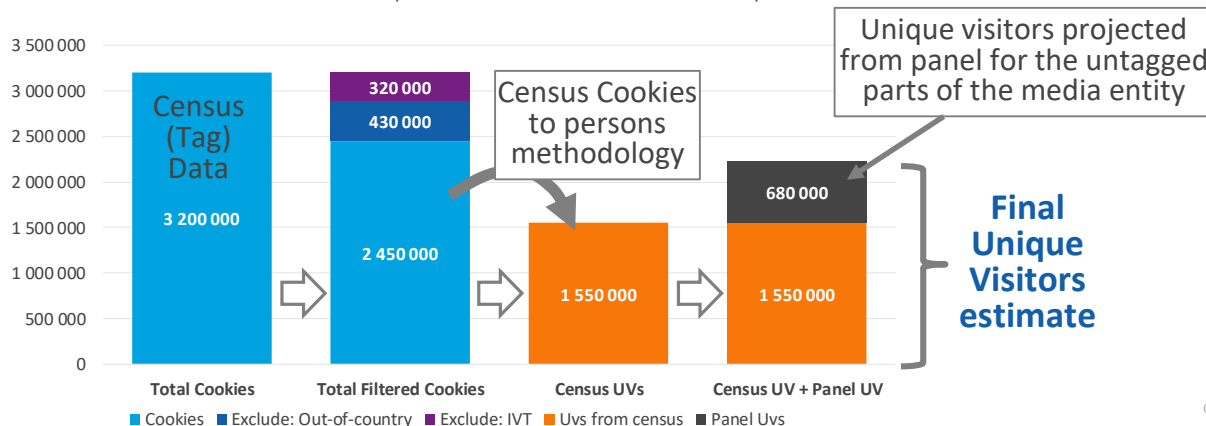


# Integration of Census (Tag) and Panel Data: Unified Digital Measurement Methodology

## Desktop Unique Visitors

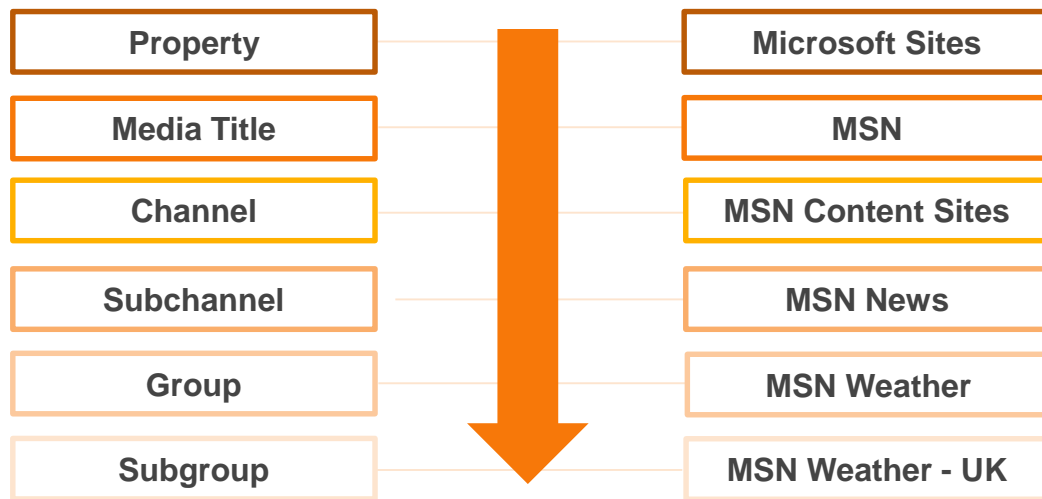


## Mobile Unique Visitors (calculated per device and OS platform separately)



# Publisher Audience in Data: the Dictionary

- Dictionary defines how publishers' audiences are reported in the data
- Combines granular URL/mobile app data into meaningful hierarchies and categories
  - Example of a breakdown of up to 6 syndicated hierarchy levels:





# Thank you!