

When Experience Matters

Arkansas Data Driven Task Force

October 9th, 2019



Acxiom – At a glance

- Acxiom is headquartered in Conway, AR
 - half of our core Senior Leadership is located in Central Arkansas
- September 29, 2019, Acxiom celebrated our 50-year anniversary
 - October 1, 2019, Acxiom celebrated our 1-year anniversary as a member of the IPG Holding Company
- Around 1,500 Acxiom associates are located in Arkansas
 - This is approximately half of Acxiom's global workforce in five countries.
- In our Central Arkansas locations, primarily Conway, our workforce has grown by 6% between October 2018 and October 2019
- On an annual basis, Acxiom's total salary compensation for Arkansas employees is ~\$125M
- In addition to offering highly competitive job opportunities to Arkansas residents, in the last 12 months Acxiom has contributed ~\$200k to Arkansas community organizations in which our associates are involved.

Who is Acxiom?

We live in a technology- and data-driven world, but people are still people, and they want a great experience when they interact with brands.

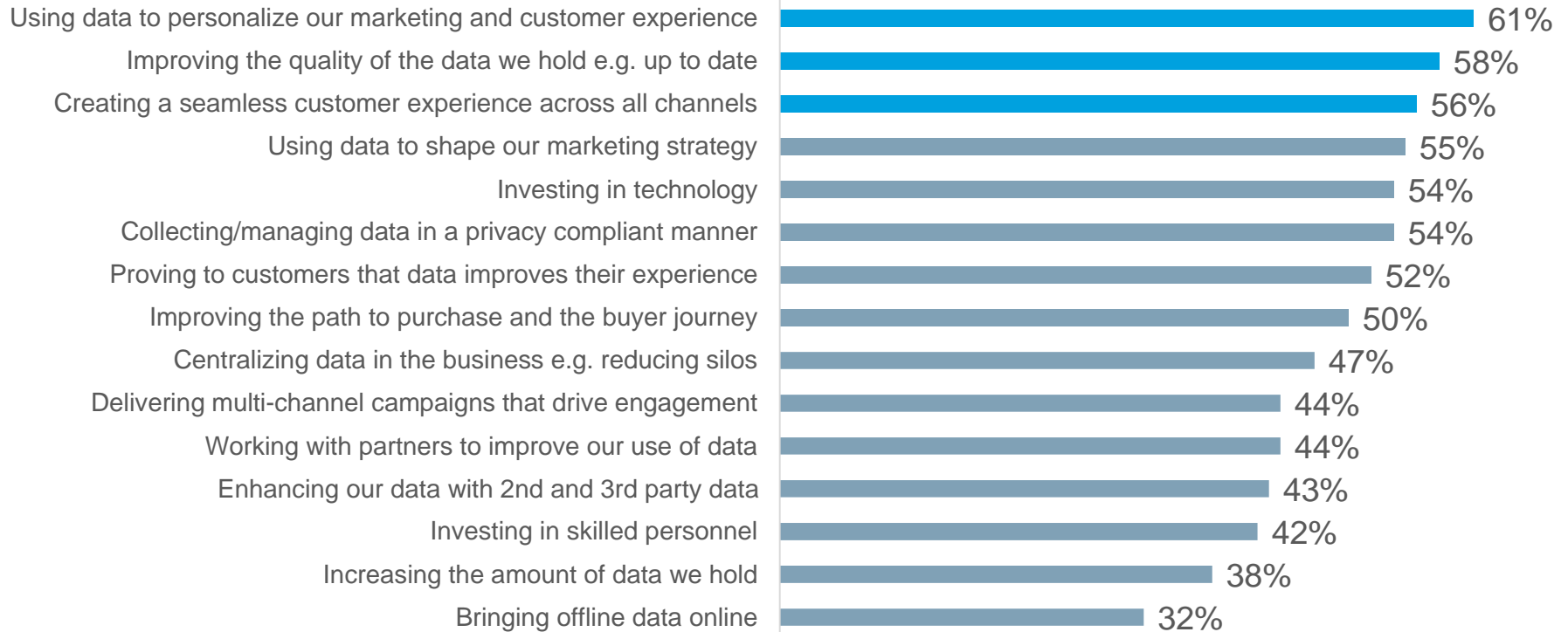
They expect relevant marketing and seamless service, but brands can deliver this only if they follow the golden rule of business ...

Know Your Customer

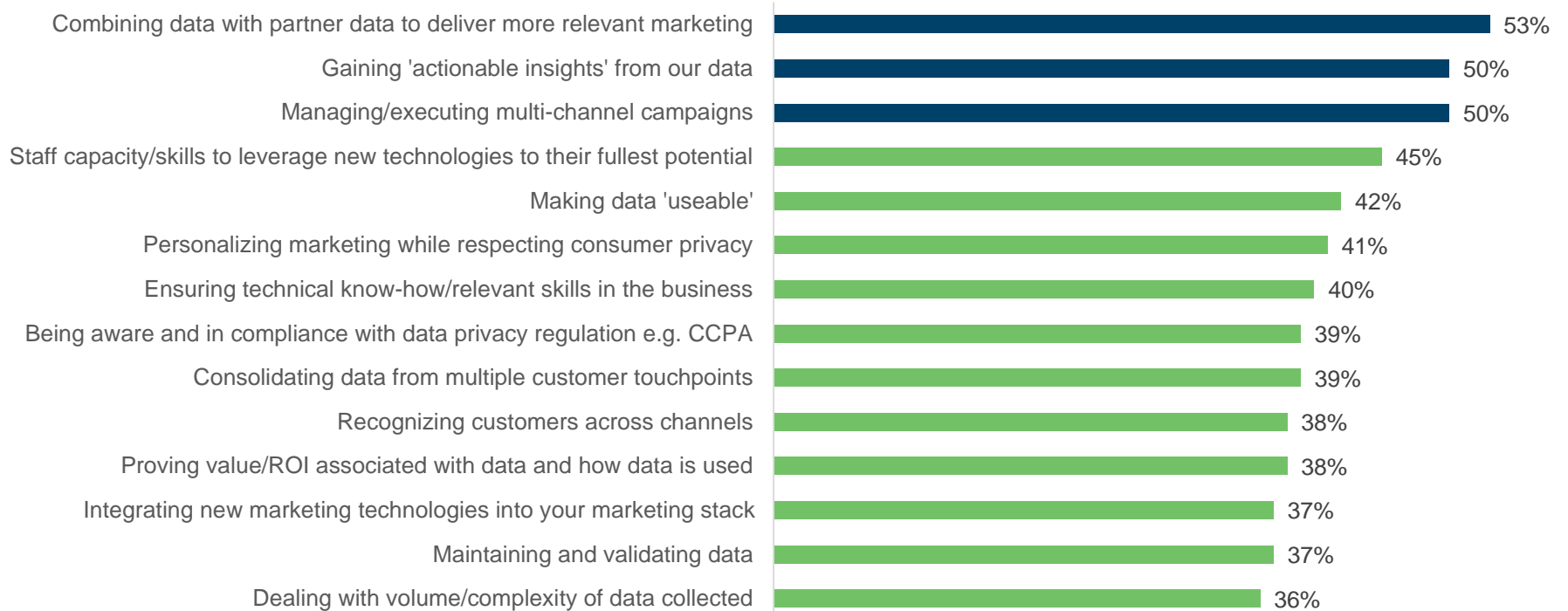
Acxiom combines **data, technology, ethics and experience** to help brands understand their customers and deliver great experiences.

We help the world's biggest and most forward-thinking brands **understand** consumers, **unify** marketing, enabling **unique experiences** that matter.

Key Priorities when it comes to using consumer data (Acxiom 2019 Primary Research)



Key Challenges when it comes to using consumer data (Acxiom 2019 Primary Research)



Our Core Competencies

PROCESS

- **Broadest access to consumer data** with exceptional expertise and process in **data-driven strategies**

DATA

- **Largest global consumer data footprint on 2/3** of the world's population
- **Pioneers in ethical data practices and privacy compliance**



PEOPLE

- **1,600+ data specialists** with unparalleled data expertise
- **200+ industry experts**

TECHNOLOGY

- Proven lineage of building **sophisticated marketing database solutions**
- **Advanced identity, data and technology solutions**

Our Solutions Are Tailored for Each Industry



FINANCE



AUTO



RETAIL



TRAVEL / ENT



CPG



INSURANCE



HEALTHCARE



PUBLISHERS



AGENCIES



RESELLERS

DIRECT

INDIRECT

We serve the world's largest and most successful companies, including nearly 50% of the Fortune 100

Most Advanced Program for Data Ethics and Governance



CONSUMER
TRANSPARENCY,
NOTICE, AND
CONTROL

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PRIVACY AND
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50+

Audits completed
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clients



GLOBAL EXPERTISE
AND OVERSIGHT

30+

Policy, law, and
enforcement
organizations
engaged annually



We Adhere to All Industry Guidelines and Global Laws



IDENTITY

CARDINALITY

TYPE

DOMAIN

ORIGIN

PATTERNS

OWNERSHIP

CHANNEL

PRECISION

TIME

PLACE

UBIQUITY

MEDIUM



“It’s the thing,
that gets you to
the thing.”

Joe McMillan
Halt & Catch Fire
AMC®

IDENTITY



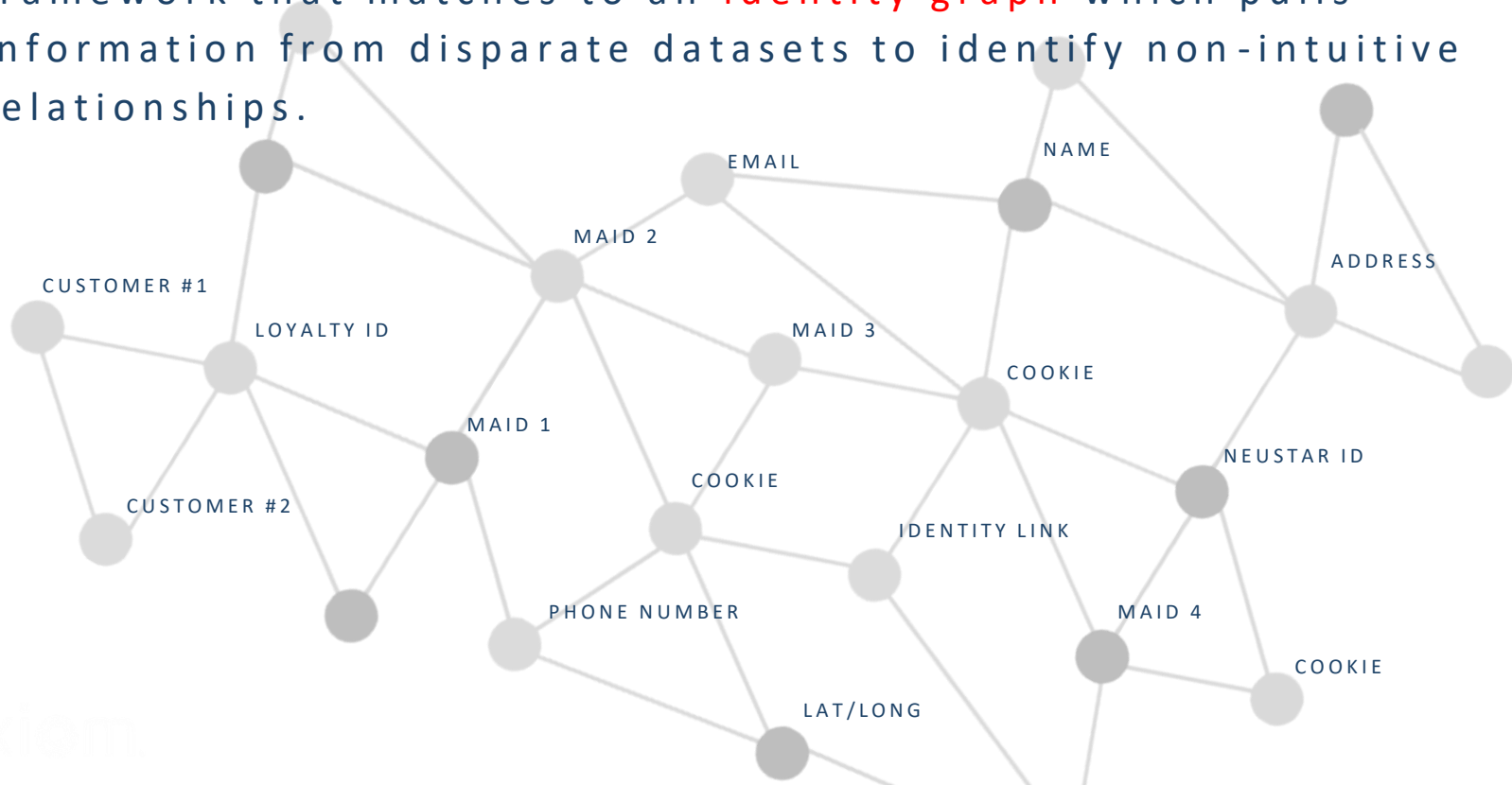
Identity is the ability to recognize an entity, be it a **person**, **place** or **thing**, along with associated **relationships**, consistently and accurately based on both physical and digital attributes, regardless of channel, location or device with contextually appropriate **levels of precision**.

Doing so effectively requires a complex combination of data management, identity management, deep insights and the ability to integrate across multiple platforms and service providers.

IDENTITY RESOLUTION



Identity Resolution is a point in time recognition process or framework that matches to an **identity graph** which pulls information from disparate datasets to identify non-intuitive relationships.



IDENTITY MANAGEMENT



Identity Management is an approach to manage a brand's or use-case's specific view of an individual, household, location or thing over time.

It uses all possible identifiers across all possible touch-points, behaviors and devices over the entity's history with a brand to improve **precision and reach**, specifically focusing on brand-specific rules for resolving identity and ultimately driving human-like interactions and closed loop attribution at scale.

IDENTITY MANAGEMENT

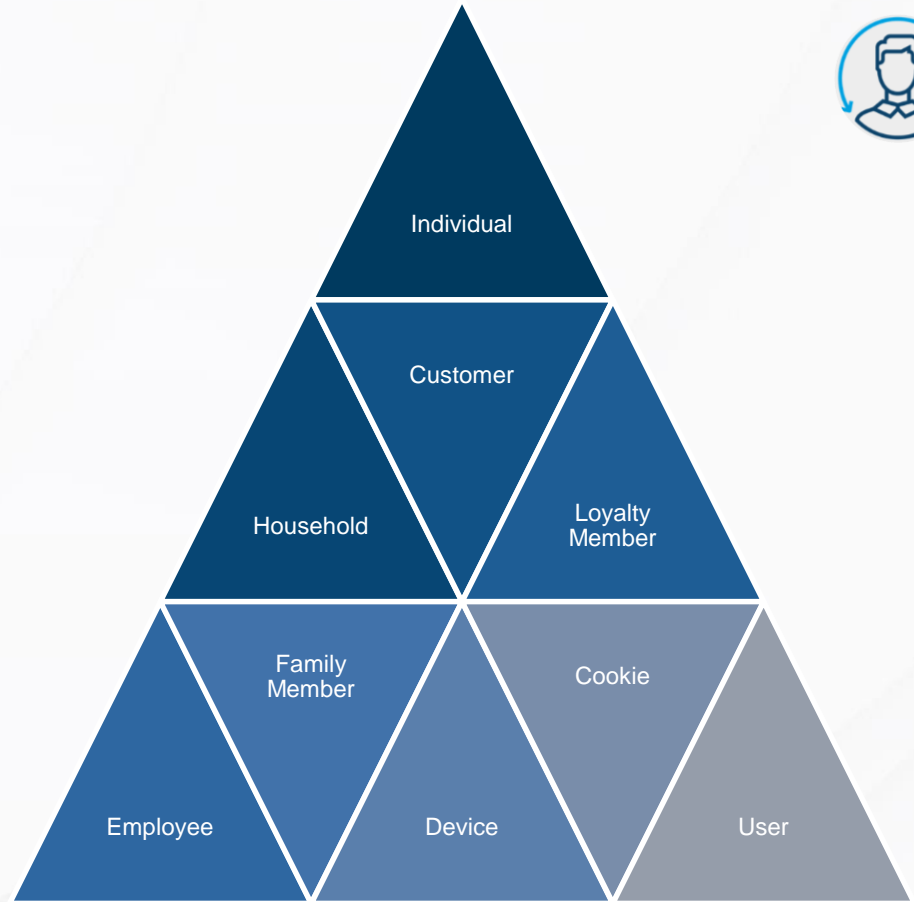
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Identity management looks beyond simple matching logic. By looking deeper into the **behavioral aspects** of the entity, it attempts to understand common traits amongst entities, yet respects the nuance that makes each individual entity unique.

It requires **flexible** and malleable identity resolution technology to bringing entities together for specific use-cases. Identity resolution is really just the framework through which identity management concepts can be applied.

Identify Citizens and Relate Them to Other Citizens



IDENTITY DATA INFLUENCERS



Is it **READY?**

Quality

- Clean
- Correct
- Current
- Complete
- Consistent
- Certified

Is there **ENOUGH?**

Quantity

- Coverage
- Completeness

Is it **RIGHT?**

Accuracy

- Corroboration
- Collaboration
- Compliance

Is it **EFFECTIVE?**

Precision

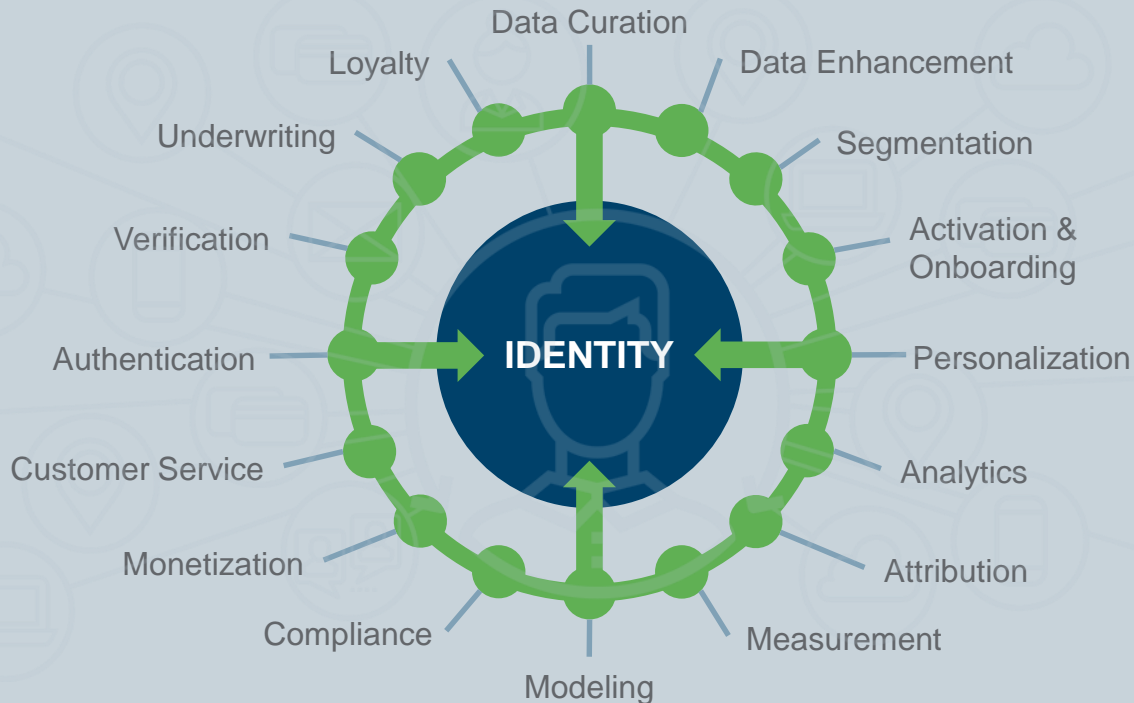
- Category
- Context

IDENTITY CHALLENGES

1. It's **Hard** ...becoming more complex
2. It's **Evolving** ...new tech
3. It's **Noisy** ...lots of vendors
4. It's **Converging** ...lines blurring
5. It's a **Spectrum** ...accuracy & reach
6. It's **Sensitive** ...privacy & security
7. It's **Contextual** ...right method for right situation
8. It's **Relevant** ...consumer expectations growing



IDENTITY CONNECTIVE TISSUE



IDENTITY USE CASES



Acquire Profitable Citizens

Improve Cross Sell/Up Sell to Increase Citizen Value

Model and Reach Ideal Audience

Optimize Omnichannel Marketing

Measure the Impact of All Marketing Spend

Reach and Engage Citizens in All Channels

Reactivate Citizens Intelligently

Perform True Multi-Touch Attribution

Optimize Addressable TV

Convert Competitors' Most Valuable Customers

Enhance Experience for Anonymous Citizens

Improve Citizen Retention and Lifetime Value

Use Offline/PII Data to Inform Digital Activities

Measure Addressable TV

Optimize Trigger-Based Marketing

Increase Processing Efficiency

Develop Data Monetization Strategy and Plan

Collaborate with Partners for Co-Marketing

Improve Marketing for Anonymous Website Citizens

Analyze Customer Value from Different Segments

IDENTITY RESULTS



- **Better Recognition** – Recognize consumers across devices, channels and borders for more effective engagement
- **Better Spend** – Improve precision of your engagement efforts across channels and improve media performance with more precise recognition and optimize spend
- **Better Data** – Optimize the use of your 1st and 2nd party data for more accurate recognition to drive higher data value
- **Better Ethics** – Reduce risk, maintain compliance and improve consumer brand perception
- **Better Servicing** – know real people and how they touch your organization to provide best in class service
- **Better Experiences** – the sum of all

TRANSFORMATION IS ACCELERATING



CONVERGING IDENTITY SECTORS



AUTHENTICATION

Knowledge
Possession
Inherence

Who do **You** say You are?



VERIFICATION

Validation
Confirmation

Who do **They** say You Are?



MANAGEMENT

Resolution
Reference
Onboarding

Who do **I** say You Are?



ACCESS

Physical
Digital
User Mgmt

Are You Allowed?



AUTHORITY

Proofing
Issuing
Attestation

I Provide Identity.



CONTROL

Blockchain
Digital Wallet
Self Sovereign

I Keep Identity.

EVOLVING IDENTITY TECHNOLOGIES

Cookies

MAIDS

Geo Tiles

Digital IDs

Biometrics

Wearables

Implants

Deep Learning

AI

COMPLEX JOURNEYS WITH MORE CHANNELS, DEVICES AND DATA THAN EVER BEFORE

1. A consumer reads on article that her friend liked on Facebook



2. Sees ad online while researching potential purchases



3. Grabs phone to compare price and features



4. Checks your site for more details



5. Returns to laptop to look for deals and coupons



6. Received an email that offers specific deal on her desired product



7. Opens email and clicks from her laptop intent on buying



8. Makes a purchase



9. A consumer reads on article that her friend liked on Facebook



IDENTITY FACETS

Time	Place	Medium	Precision
Channel	Ubiquity	Ownership	Patterns
Origin	Cardinality	Type	Context
Domain	Method	Interaction	Attributes

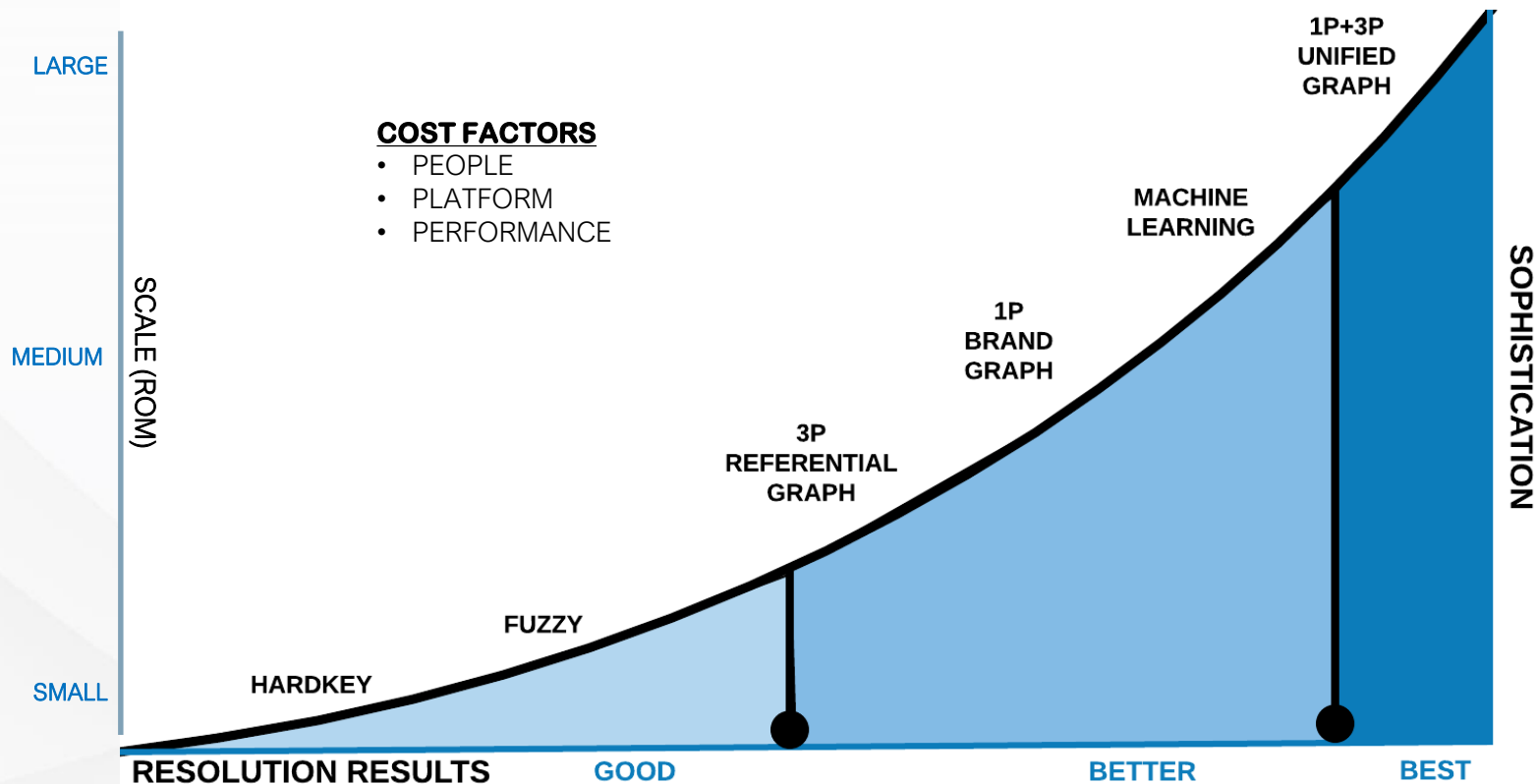


IDENTITY FACETS

Persistence Relevance Urgency	Locale Proximity Range	Document Biometric Data	Individual Group Generic
Offline Digital Omni	Private Shared Public	Personal Institutional Public	Social Economic Behavioral
Natural Derived Assigned	Unique Common Universal	Observed Verified Authenticated	Marketing Service Fraud
Known Anonymous Synthetic	Deterministic Probabilistic Multi-factor	Passive Active Dynamic	Personal Financial Cultural



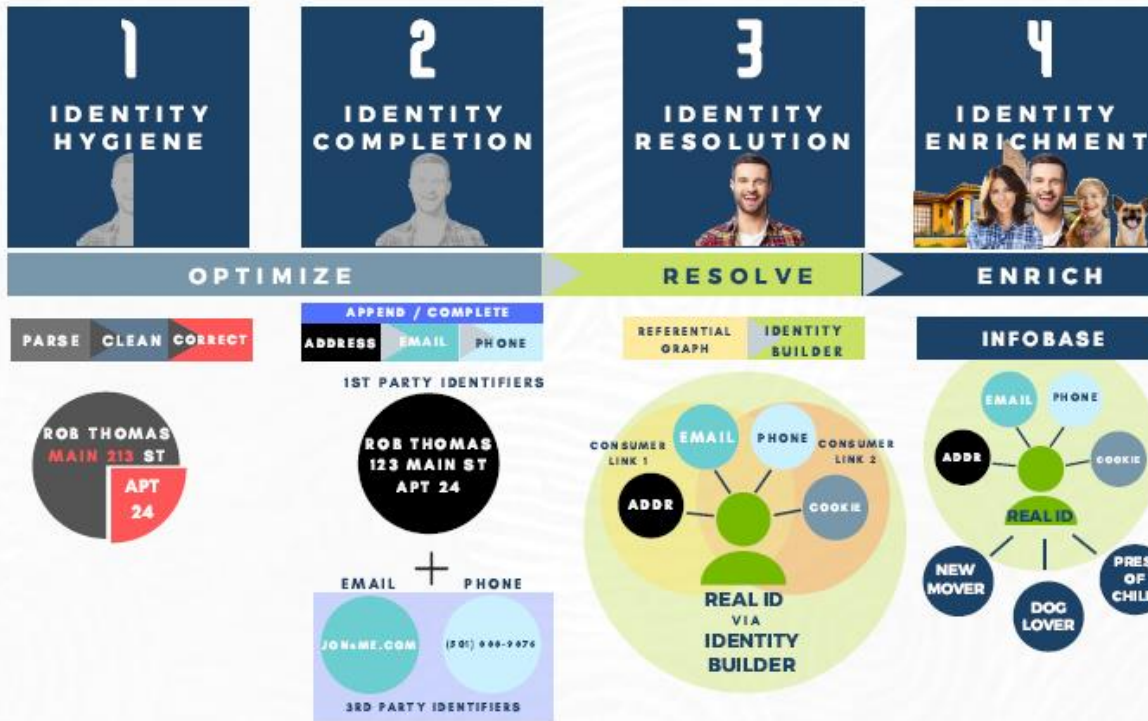
IDENTITY SCALE



IDENTITY SOLUTIONS



BUILDING REAL IDENTITY



IDENTITY HYGIENE

Improves Data Consistency

- Parse and Standardize key identity-related components
- **Consistency** of the data improves all down-stream processes

Corrects Data Errors

- **Correct** erroneous data
- Validates data against reference data

Updates Information and Fills in Gaps

- Identify outdated information and update with **current** address where possible
- Identify and **complete** missing data components (name, address, email address, phone number and Lat / Long)

Cleans Data Anomalies

- **Cleans** invalid or non-acceptable data
- Flags remaining records with data content issues

Reduces Costs

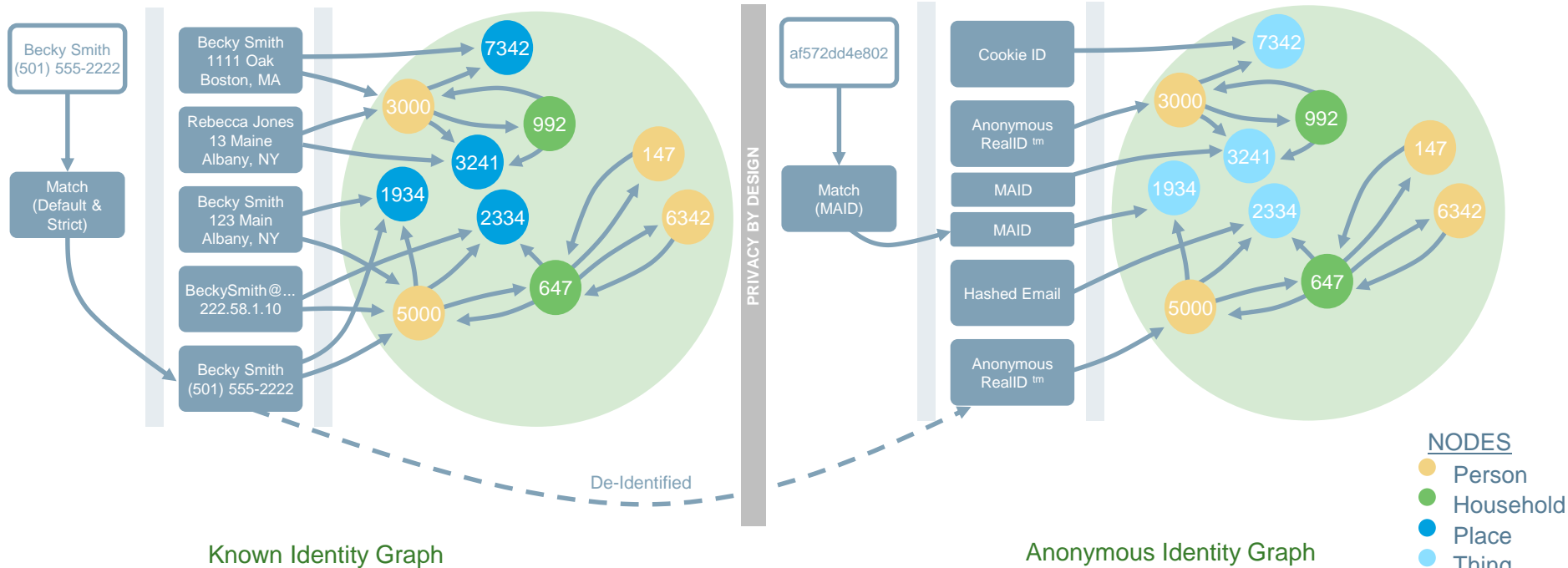
- Validates contact points that are reachable and provide **certification** for postal discounts

6 C's of Hygiene



Ensures Data is:
Consistent
Correct
Current
Complete
Clean
Certified

IDENTITY GRAPH STRUCTURE



- NODES**
- Person
 - Household
 - Place
 - Thing
 - Entity
- EDGES**
-

IDENTITY GRAPH CONTENT



Proprietary

Only What I Know

1st Party

Referenced

Only What You Know

3rd Party

Unified

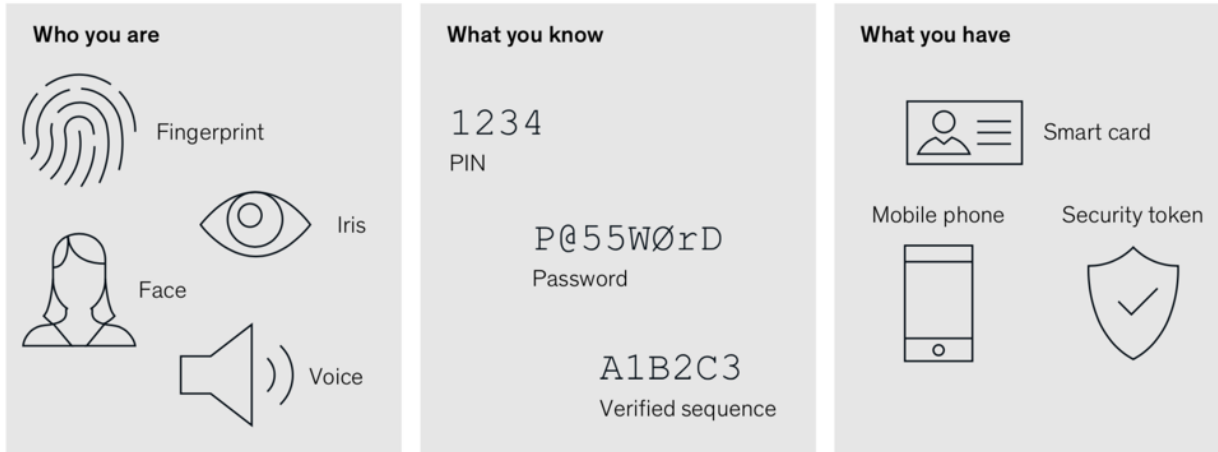
What You & I Know

1st, 2nd & 3rd Party

IDENTITY SIGNALS



Personally Identifiable Information (PII) such as Name, Address, Email, Mobile Number, Date of Birth, Social Security Number or Tax ID, along with Biometrics and Credentials such as...



Source: McKinsey Global Institute analysis

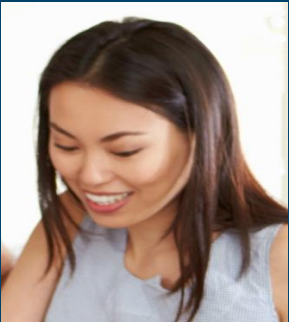
...combined with observed or reported behaviors and actions are all signals in resolving consumer identity. The challenge is knowing when and how to leverage these components in a privacy and security compliant manner.

IDENTITY ATTRIBUTES



Demographic Data

Messages that Hit the Mark



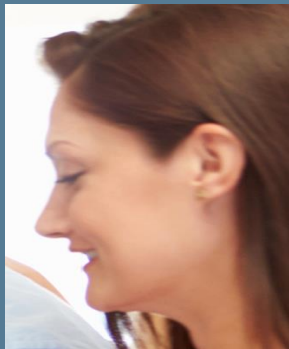
Loyal Customer
New Homeowner



Shops Online



Newlywed



Health Enthusiast

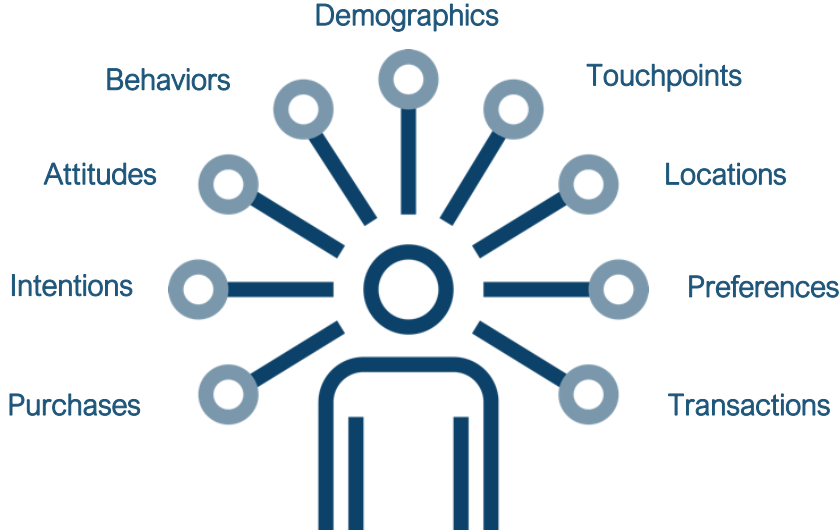


Connect with
Relevance

Data Enhancement



Improve Relevancy and Customer Experiences with 360°
Customer Intelligence: Understand Needs, Wants, Preferences



Example Data Elements

DETERMINISTIC

INDIVIDUAL DEMOGRAPHICS

Age, gender, ethnicity, education, occupation

HOUSEHOLD CHARACTERISTICS

Household size, number / ages of children

INTERESTS

Sports, leisure activities, family, pets, entertainment

LIFE EVENTS

Marriage / divorce, birth of children, home purchase, moves

BUYING ACTIVITIES

Products bought, method of payment

MAJOR PURCHASES

Travel, automotive, real property, technology

PROBABILISTIC

BRAND AFFINITY

Auto, Retail, CPG, Financial Services

PRODUCT USAGE

Technology, Insurance, Media, Communications

FINANCIAL

Net Worth, Retirement Assets, Retail Spend, Credit Card Use

IN-MARKET TIMING

Purchase New Auto, Buy New Home, Switch Insurance Companies

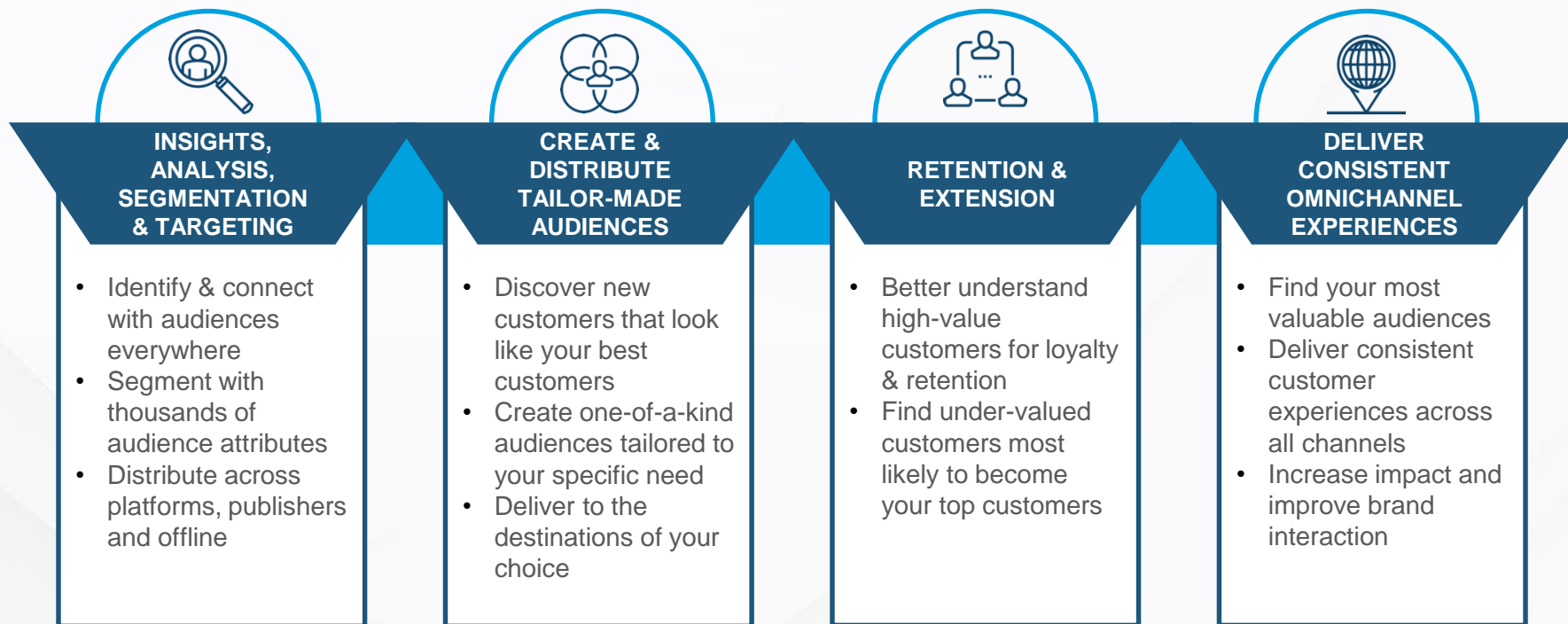
CHANNEL PREFERENCE

Online, In-Store, Direct Mail, Phone

ATTITUDES & INTERESTS

Tech Adoption, Social, Green, Mobile

Demographic Data Use Cases

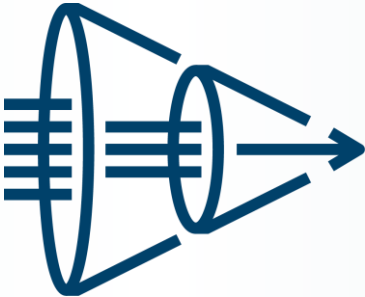


Focus Marketing Dollars on Interested Eyes

Leverage suppression products for compliance and to optimize marketing spend



AUDIENCE MEETING
TARGETING CRITERIA



COMPLIANT & MORE
TARGETED CAMPAIGN

SUPPRESSION PRODUCTS

Opt-Outs – Under Age – Financial – Deceased – Prison

Risk Data

Risk Solutions Overview

Verify and Authenticate Identities

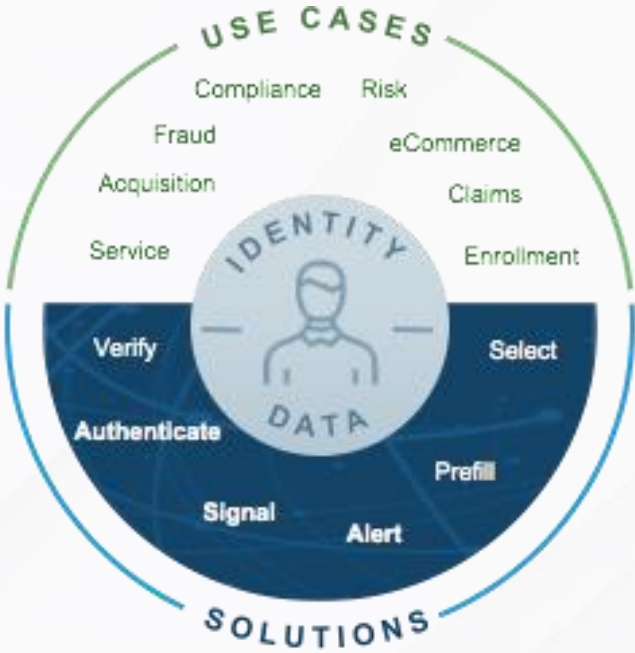
- Aids in fraud detection and empowers more informed decision making
- Assess, protect, and manage risk, especially for regulatory compliance and high worth transactions

Protect Identity

- Facilitate safe interactions both offline and online
- Trigger indicators of possible fraud and require additional levels of identity verification before transactions proceed

Comply with Changing Regulations

- Helps reduce fraud and fulfill requirements of state, local, and federal regulations by incorporating Acxiom technology and data



Open Garden



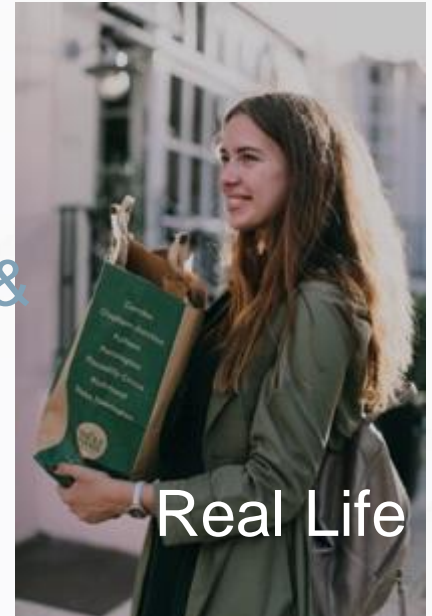
The Open Garden is a guiding principle we use when thinking about data

Open Garden

Use Data from
Anywhere



&



Open Garden

so You Can
Recognize Them



Open Garden

and Learn About
Them



Open Garden

to Connect with
Them Everywhere



Open Garden

While Being
Trustworthy



Open Garden

and Responsible



Open Garden



We make the Open Garden a reality using our Unified Data Layer solution framework.

Unified Data Layer

EXECUTION

Connect your target audiences to channel partners, back office and measurement systems

ACTIVATION

Prepare your target audiences so they may be used in your solution

ORCHESTRATION

Organize your data and manage who can see it and use it

INGESTION

Load data into your solution and maximize its quality

DATA

Your marketable people and information about them



Ethical Data Use

Most Advanced Program for Data Ethics and Governance



CONSUMER
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Thank you for Coming Today