

District 5 Update

D5 Secretary Jared Perdue

Webinar is being recorded





A Human Factors Approach To Traffic Safety Campaign

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A Human Factors Approach to **Traffic Safety Campaigns**





A Human Factors Approach to Safety





Challenge / Objectives

Safety Campaign Approach

Schedule and Partner Engagement



Changing Behavior | Saving Lives





On Florida's roads...





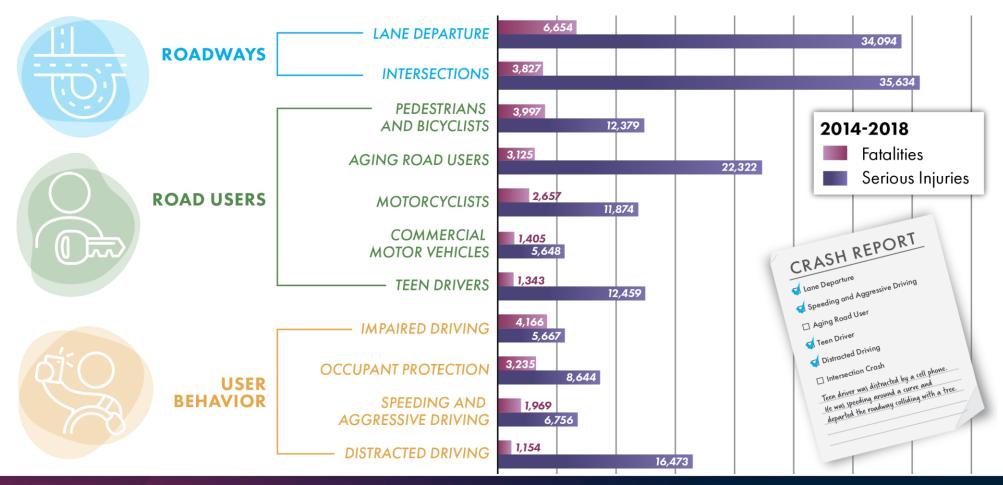
Daily Serious Injuries

...but even one life lost is too many.

Influencing Safe Behavior



The 2021 Strategic Highway Safety Plan acknowledges crashes rarely have a single contributing factor



Changing Behavior | Saving Lives



Identify behaviors contributing to serious and fatal crashes, and the reasons for those behaviors

Influence safe behavior

Behavior Change, Human Factors, and Social Marketing



• Influencing behavior change requires a better understanding of human factors and why people behave the way they do, how people change, and how to help people in their efforts to change.

• Social marketing is the application of commercial marketing principles to influence desired behavior, increase use of a product or services. All of this is done for the good of the individual and society.

Influencing Behavior Change in Practice





Human Factors Campaign Team: Engineering + Marketing + Research





- Crash Data and Root Cause Analysis
- Review and Analysis of Existing Campaigns and Industry Scan of Campaigns
- Track Construction Project Delivery



- Target Audience Research and Outreach
- Development of New Campaigns
- Determine Measures of Effectiveness for New Campaigns



- Advisor on Content Development and Social Marketing Techniques
- Conduct Literature Review on Risk Behaviors, Audiences and Performance Measures
- Research Guide on Formative Research for Social Marketing

Campaign Approach





Evaluation of Existing Florida Safety Campaigns





International Review of Effective Safety and Other Behavior Change Campaigns





Embrace Life - always wear your seat belt 20,435,521 views · Jan 29, 2010 57K **4** 947 SHARE =+ SAVE ···· Drivers who rush when they're 10 minutes late for their shift Drivers who stay in control and watch their speed



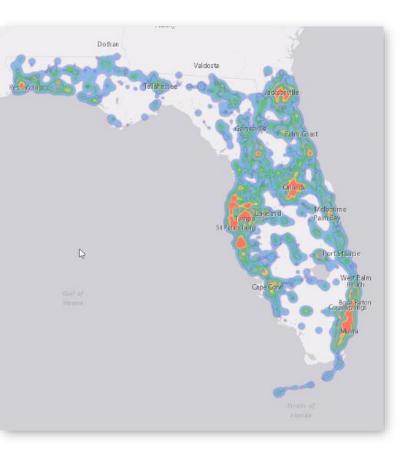








Root Cause Behavior Analysis = What, Who and Where

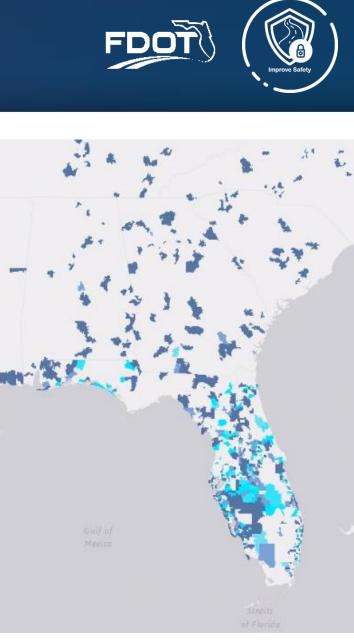


Crash data analysis

- Who we're trying to reach (audience = roadway user demographics)
- What behavior we're changing (crash root cause)
- Where we're changing the behavior (location/market)

Human behavior analysis

- Why do people behave the way they do?
- Who or What influences road user behavior?
- **How** do we change behavior?



emphasis present motivation safety health community term, selling community selling Pride CUI marketingpi avoidance enough shock **rnal**friends deprivation appěa **O**mode sequen ces including creativity creativity preferred

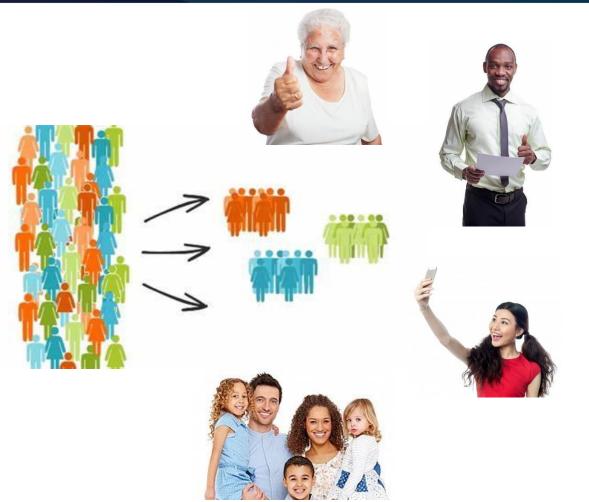
FDC

Influencing People is Complex



Influential Messages Are Not One-Size-Fits-All

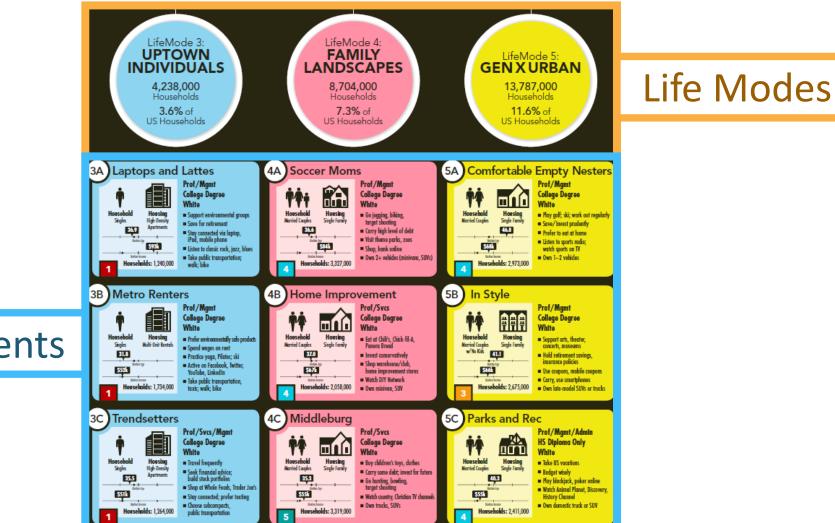
- Reasons for safe and unsafe behaviors
- Attitudes regarding transportation and safety
- Value systems/motivators
- Test current / new messages











Market Segments





LifeMode Group: Ethnic Enclaves American Dreamers

Households: 1,747,000

Average Household Size: 3.16

Median Age: 31.8

Median Household Income: \$48,000

WHO ARE WE?

Located throughout the South and West, most American Dreamers residents own their own homes, primarily single-family housing—farther out of the city, where housing is more affordable. Median household income is slightly below average (Index 94). The majority of households include younger married-couple families with children and, frequently, grandparents. Diversity is high; many residents are foreign born, of Hispanic origin. Hard work and sacrifice have improved their economic circumstance as they pursue a better life for themselves and their family. Spending is focused more on the members of the household than the home. Entertainment includes multiple televisions, movie rentals, and video games at home or visits to theme parks and zoos. This market is connected and adept at accessing what they want from the Internet.



OUR NEIGHBORHOOD

- American Dreamers residents are family-centric and diverse. Most are married couples with children of all ages or single parents; multigenerational homes are common (Index 201).
- Average household size is higher at 3.16 (Index 122).
- Residents tend to live further out from urban centers—more affordable single-family homes and more elbow room.
- Tenure is slightly above average with 65% owner occupancy; primarily single-family homes with more mortgages (Index 122) and slightly higher monthly costs (Index 122).
- Three quarters of all housing were built since 1970.
- Many neighborhoods are located in the urban periphery of the largest metropolitan areas across the South and West.
- Most households have one or two vehicles available and a longer commute to work.

SOCIOECONOMIC TRAITS

7C

- While nearly 16% have earned a college degree, the majority, or 63%, hold a high school diploma only or spent some time at a college or university.
- Unemployment is higher at 10.7% (Index 124); labor force participation is also higher at 67%.
- Most American Dreamers residents derive income from wages or salaries, but the rate of poverty is a bit higher in this market (Index 126).
- They tend to spend money carefully and focus more on necessities.
- They are captivated by new technology, particularly feature-rich smartphones.
- Connected: They use the Internet primarily for socializing but also for convenience, like paying bills online.

Persona Development



- Name: Elyse
- Age: 28
- Gender: Female
- Location: Flagler Beach
- Activities and interests
 - Waitress
 - Dog mom
 - Cooking and baking
 - Homebrewing beer
 - Drawing and painting
 - Eating out
 - Vintage TV shows (80s and 90s)
 - Electronic dance music (EDM) fan
 - Minor league hockey fan
 - Traveler
- Income: \$28,000 annually



- Education: A.A. degree, general studies
- Housing: 1-bedroom apartment
- Goals in life
 - Short-term:
 - Earn a bachelor's degree in counseling
 - Find a larger apartment closer to the beach
 - Pay off her car
 - Get out of the service industry
 - Long-term:
 - Earn a master's degree in psychology
 - Become a school counselor
 - Marry her boyfriend/ start a family
 - Move to Tennessee
 - Buy a house with a big yard
 - Rescue more dogs



Develop New Messaging and Testing



Media Approach: Holistic



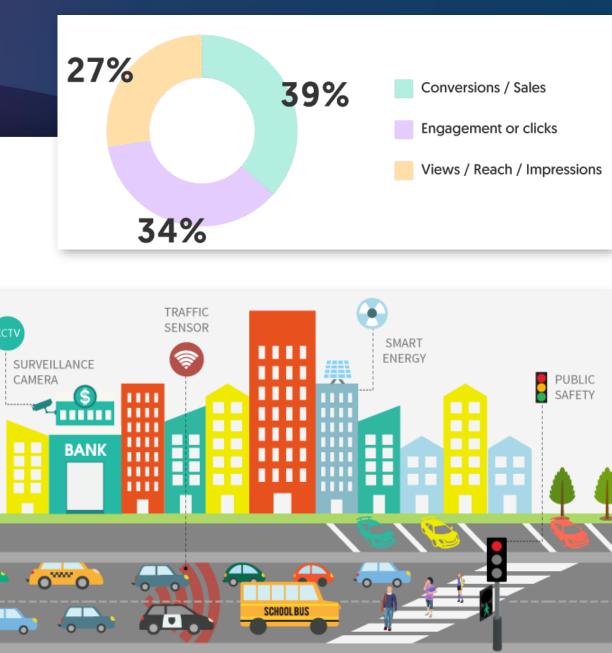
We will use all four media types in complementary ways to help us change driver, bicyclist and pedestrian behaviors.

3 exposures to a message is the minimum effective frequency.

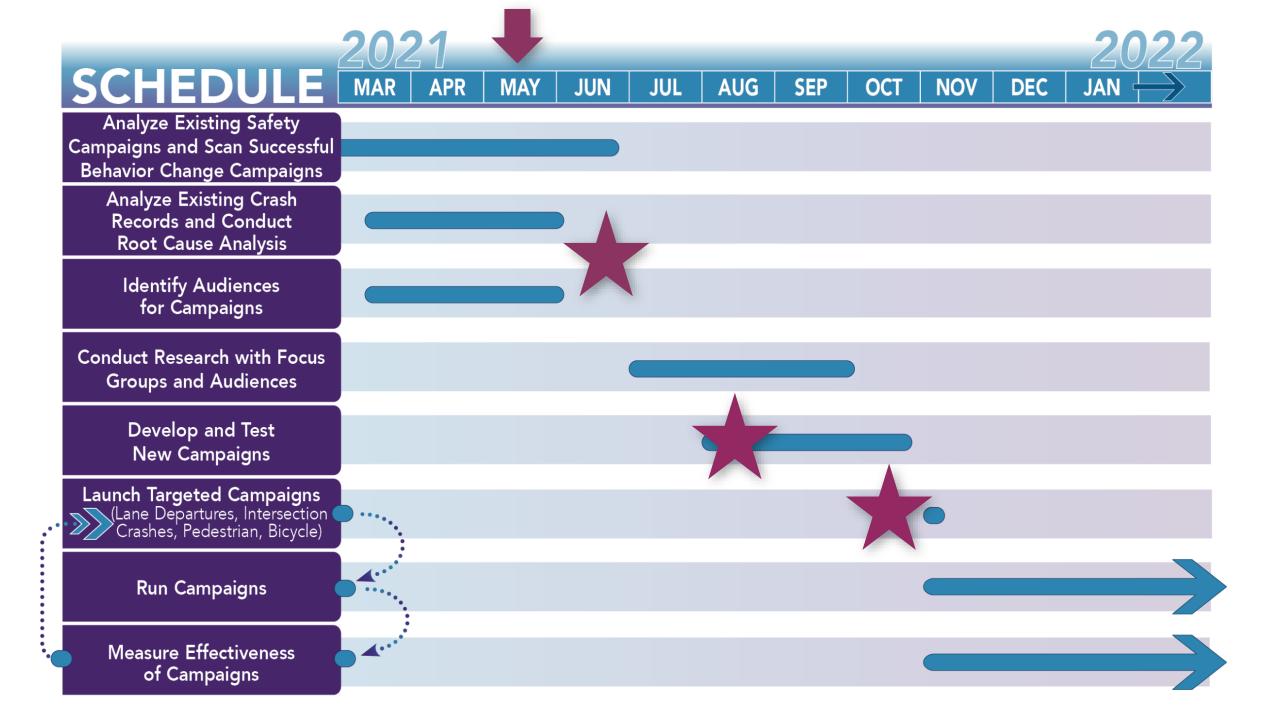
After 15 exposures, the message begins to "wear out."



Evaluating Effectiveness: Outputs and Outcomes









Safety Moment





Thank You!



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Safety Data Integration Space - Transportation Safety View (fdot.gov)

<u>https://www.fdot.gov/safety/safetyengineering/safetyengineering.shtm</u>