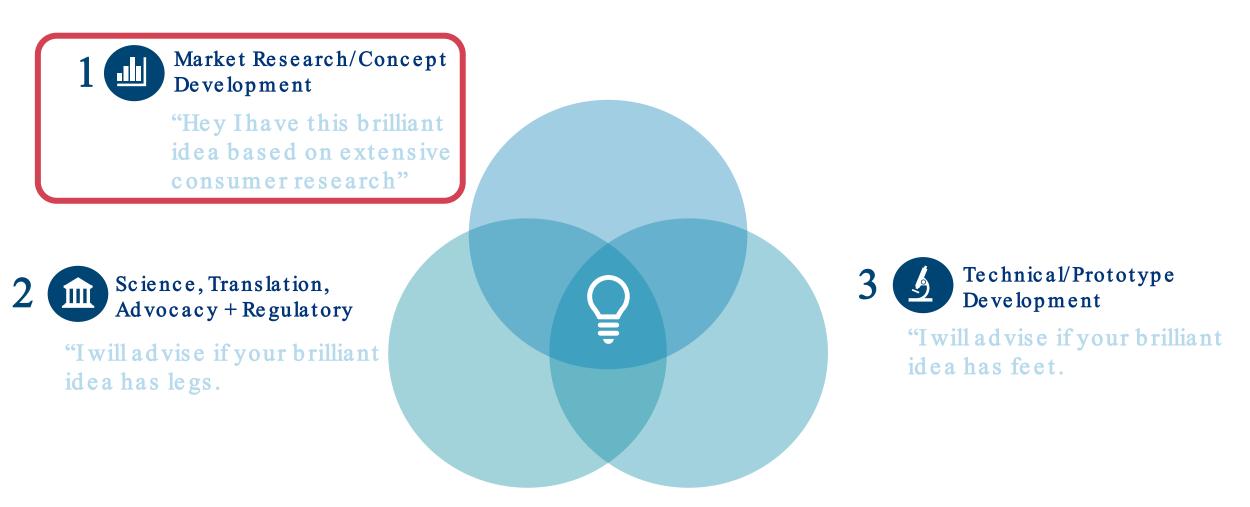






My Role – Market Research-Centric

Ideate within a framework of leveraging premix to provide functional claims in food and beverage products



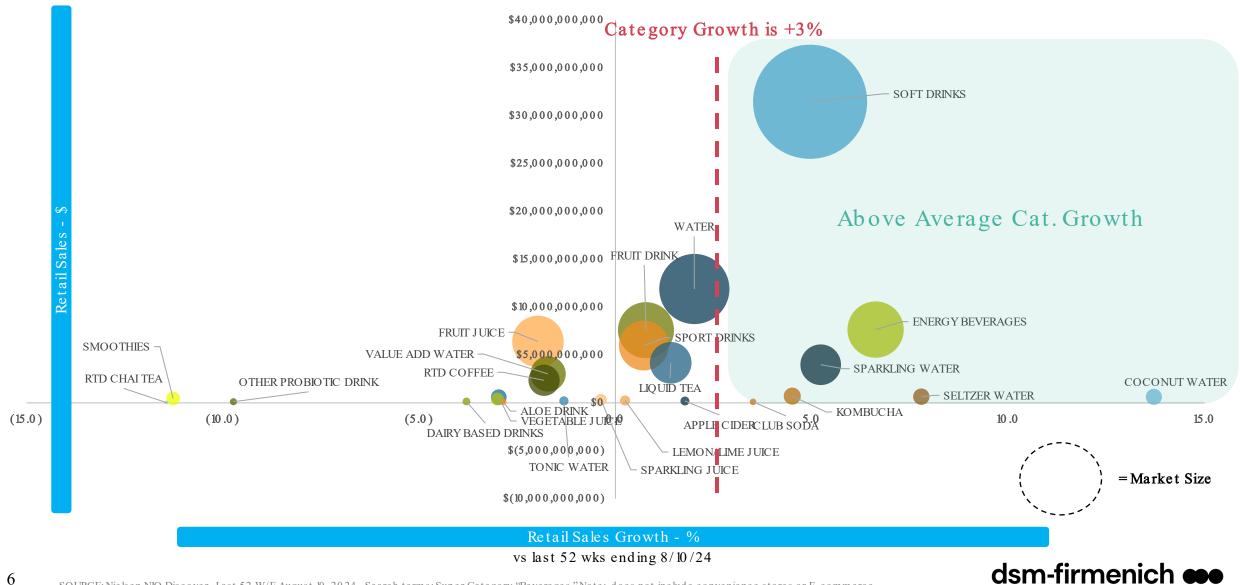
Market Trends in Beverages

Do functional claims drive growth?



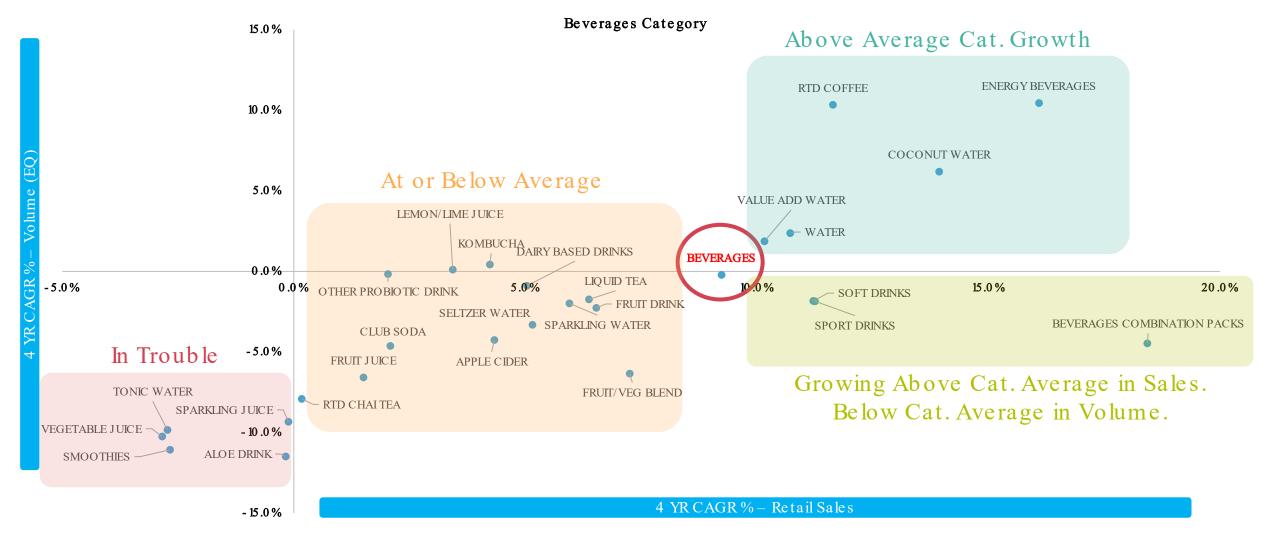
Beverage Sales Captured Over the Past 52 Weeks

Below represents the overall beverage "super category." ~\$90 bln brick & mortar retail not incl convenience.



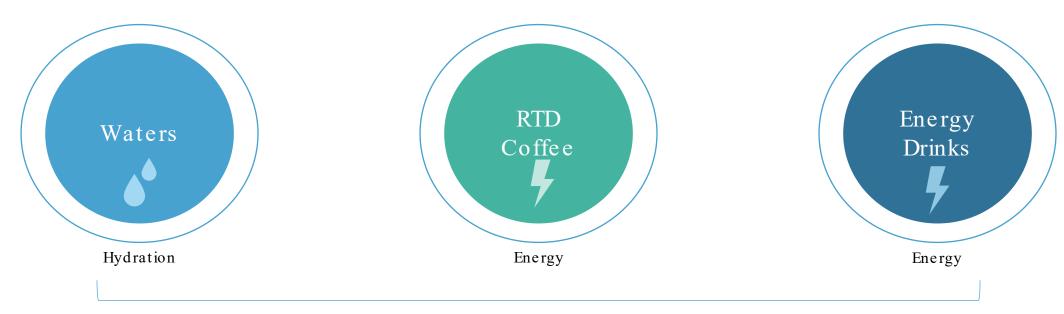
CAGR for the last 4 years on both dollars & volume (EQ)

Waters, RTD coffee, and energy beverages drive above average category growth.



What's Driving Above Category Growth?

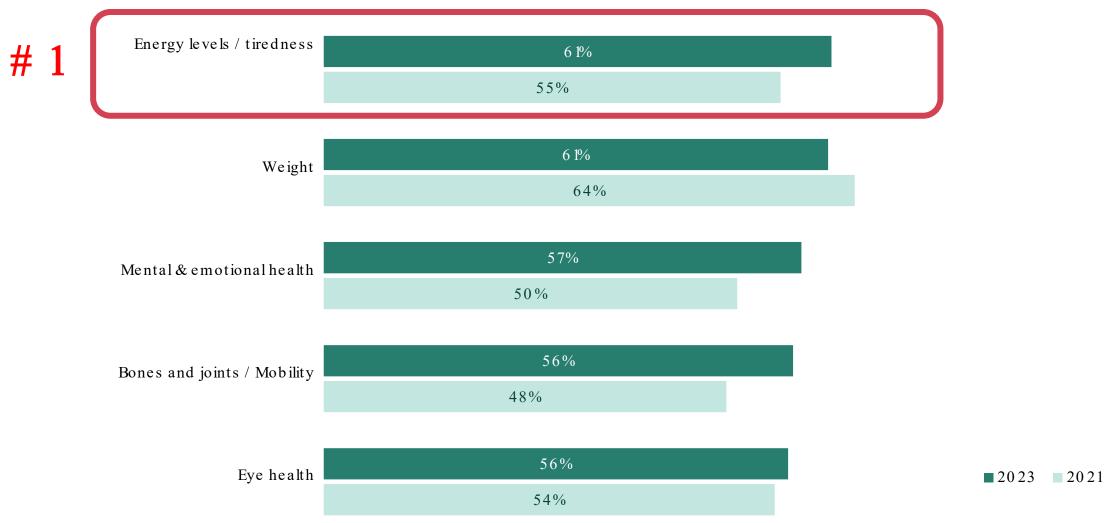
Do any of these categories provide a sought-after consumer benefit?



halo benefits

To an Extent.. Yes, Especially When Addressing Energy Concerns

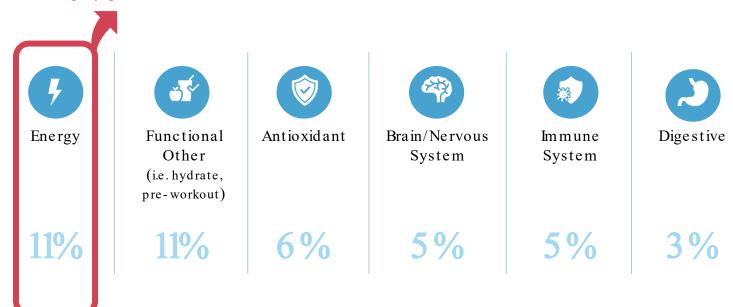
Top 5 consumer health concerns in the US according to an internal global health and concerns study



All respondents 2023 - USA = 1500All respondents 2021 - USA = 750

Top 5 Functional Claims in Beverages Based on new product launches over the past 3 years

Driving above average category growth



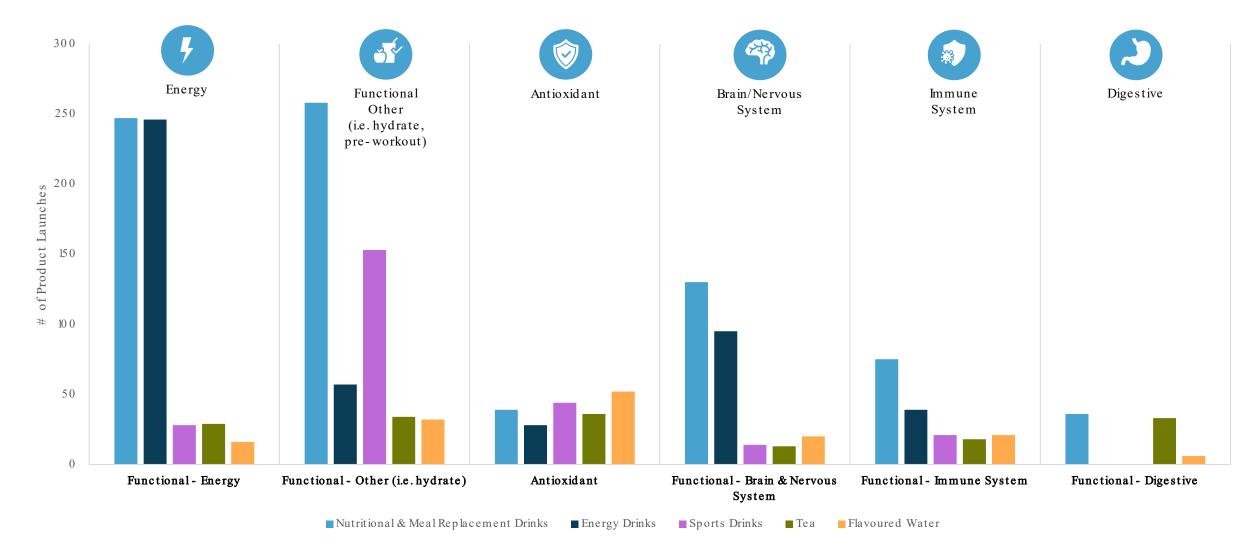
out of 6,000 + new product launches



SOURCE: Mintel GNPD. Search criteria: where Market matches USA, and Category matches one or more of Carbonated Soft Drinks; Hot Beverages; Juice Drinks; Sports & Energy Drinks; Water; RTDs; Nutritional Drinks & Other Beverages and Date Published is between Sep 2021 and current date (Sep 2024). Date accessed: September 9, 2024.

Top 5 Functional Claims in Bev Based On New Product Launches

Nutritional, energy, sports, tea, and flavored water are top end-applications. Based on last 3 years.



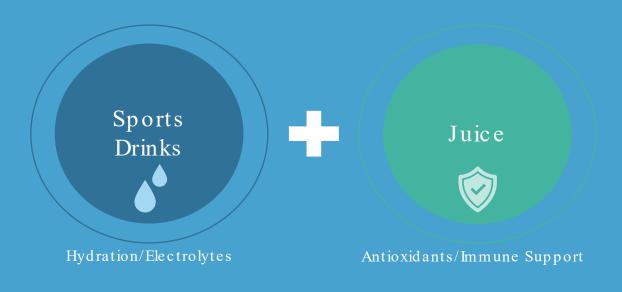
General Takeaways From All This...

- Proven validity to some health benefit claims supporting revenue growth
- Within beverages, energy claims are attracting benefits conveyed to the consumer in different ways
- Overall, on-pack functional claims are not often used or optimized. Other categories (i.e. nutritional and energy) leverage functional claims more than traditional categories (i.e. juice and juice drinks)

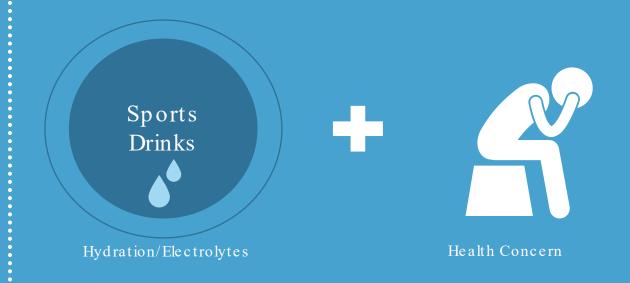
Proposal: create more opportunities to provide validated on-pack health claims that consumers value

Proposals for Lifting a Beverage Category with Functional Claims

Blur category lines and borrow from another segment's inherent halo—at times aided by fortification.



2 Add a health benefit based on evolving consumer health concerns, aided by fortification.



OR

Example Ingredients for Targeting Functional Claims*

With the proper due diligence, category blurring is very possible





















			<i>'</i>						
Cognitive Performance	Super- foods	Performance & Glare Recovery	Energy	Stress & Mood	Immunity	Antioxidants	Hydration	Digestive Health	Heart Health
DHA	Flaxseed	CoQ10	Caffeine		· ·	Vitam in C	Sodium	Ginger Root	DHA+EPA
L-theanine	Sp iru lin a		Green Tea Extract		carotene (Vitamin A)	Vitamin E	Potassium	Inulin	CoQ10
Caffeine	Kale	: B-vitamins		Rhodiola	. 11001010	Vitam in A	Magnesium		Lycopene
B- Vitamins	Pomegranate	BCAA/amino		Ashwagandha	· (vitamim C)		Calcium		
Ginseng	Reishi	: acids/Taurine :	: B- Vitamins		Echinacea	carotene			
	: Acai		: Green		Vitam in E	: Elderberry			
	Spinach		: Coffee : Bean		. (Summo wor)	Acai			
		: Lutein/zeaxanth : in (Marigolds)	: CoQ10		DIG CID CII V	: Green Tea : Extract			
		: Beta-carotene							

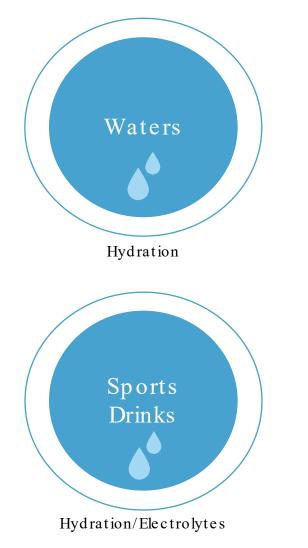


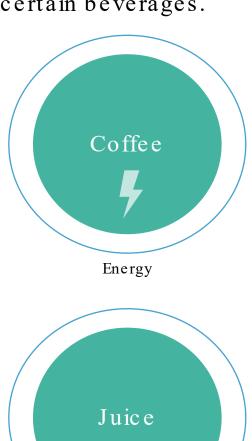
Category Blurring Proposal# 1



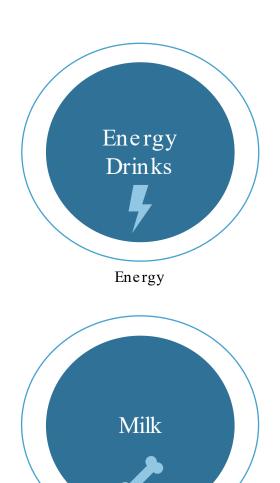
Category Blurring Based on Health Halos. An Example.

Consumers have general associations with certain beverages.







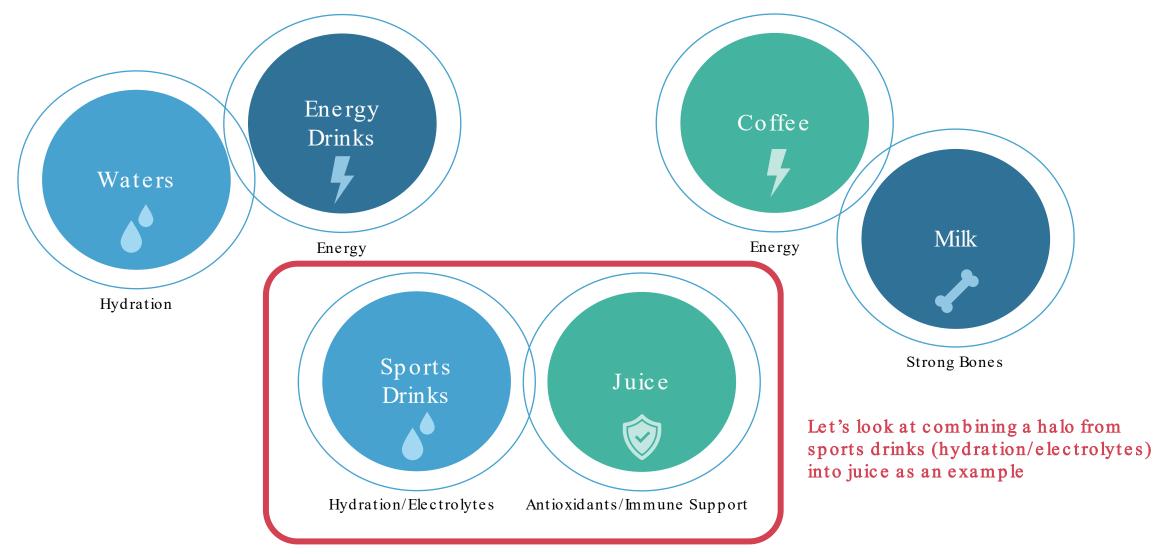


Strong Bones



Category Blurring Based on Health Halos. An Example.

What if you could 'plus-up' from your segment's inherent halo?



Category Blurring Can Provide Revenue Lift. An Example.

Hydration claims in juice drink sales performance captured in Nielsen. Note: juice category is currently flat.



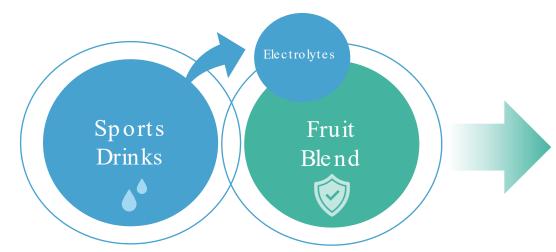
Adding electrolytes from premix or natural sources in juice drinks to make a hydration claim

In some cases, brands are bundling other additional benefits (i.e. energy)

Hydration claims achieved +1,341% Revenue Growth vs the last 52 wks in the juice drinks category

Another Example

This is a brand operating in a very close category to juice: mixed fruit pouches



Adding electrolytes from premix in a fruit blend pouch to make a hydration claim

PUREE, ELECTROLYTE AND ANTIOXIDANT BLEND

(ASCORBIC ACID [VITAMIN C] SODIUM CITRATE, BETA

CAROTENE [VITAMIN A] MAGNESIUM OXIDE dI-ALPHA

TOCOPHERYL ACETATE [VITAMIN E]), LEMON PUREE,

BLACKCURRANT PUREE, LEMON JUICE CONCENTRATE.

Aided by the new launch of these functional mixed fruit pouches, this emerging sub-brand is worth ~17 mln with a +12,000% growth over the latest 52 weeks

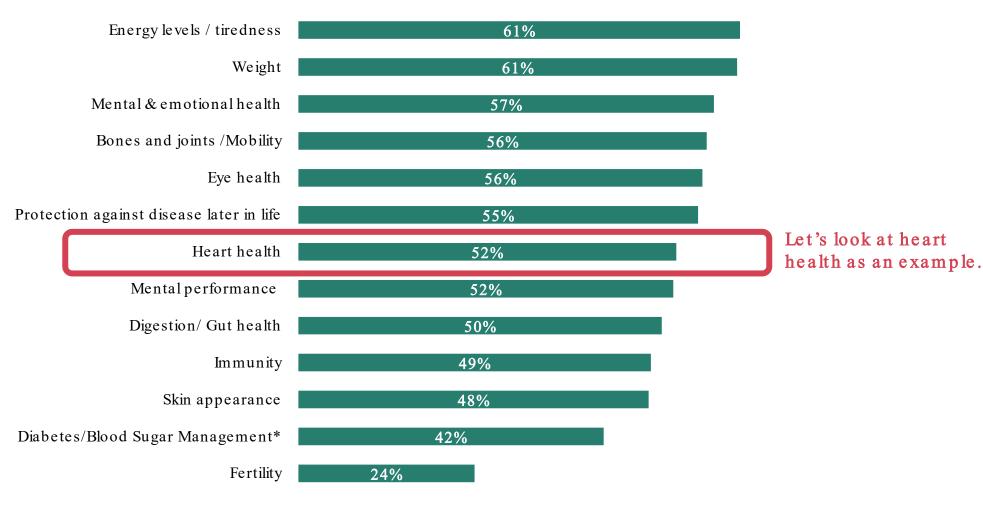


Add Health Benefits Based on Evolving Concerns Proposal # 2

Top Consumer Health Concerns in US

According to an internal global health and concern study*

Q. How much do you worry about the following? (% worry/worry a lot)



Example: Cardiovascular Health

Possible growth driver in the very near future



• Heart disease is the leading cause of death in the US

• 52% of US adults worry a lot about their heart health – a 5% increase from 2021

 Among the top 5 health benefits sought in food and beverage products

Source: DSM Global Health Concerns Study 2023.

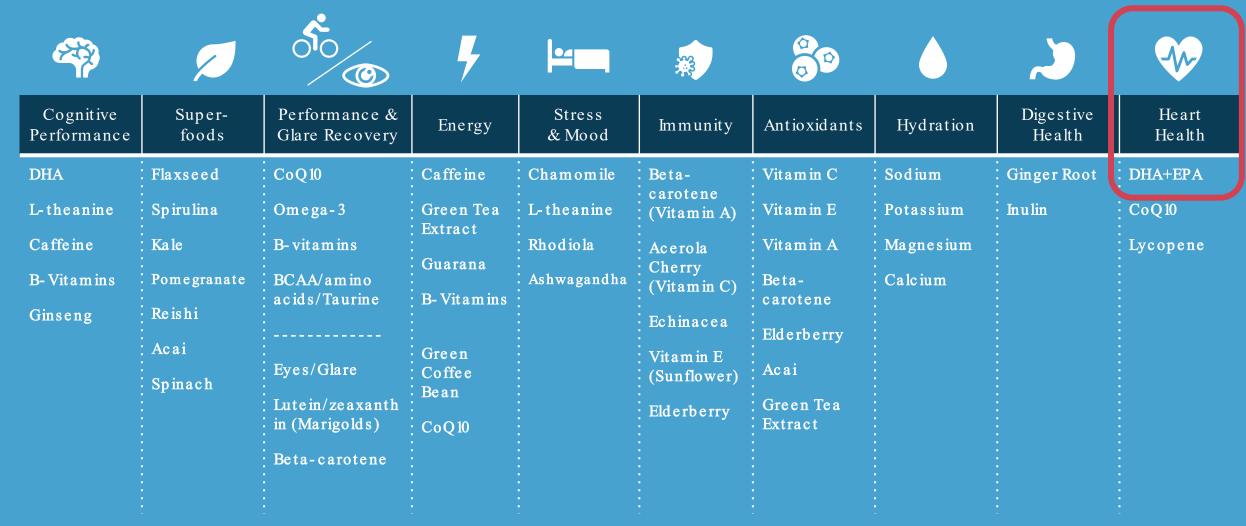
Source: Center for Disease Control

Source: International Food Information Council 2023 Food Health Report



Example Ingredients for Targeting Health Benefits*

Supporting heart health



Validating a Concept with a Heart Health Benefit

Proper due diligence is required.

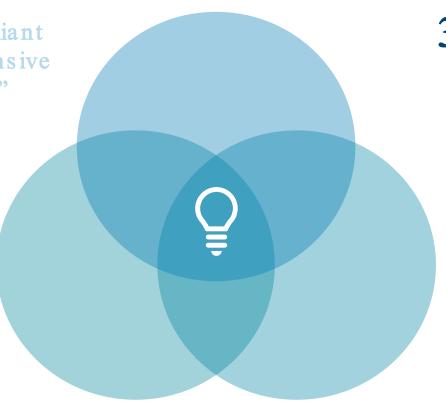


Market Research/Concept
Development

"Hey I have this brilliant idea based on extensive consumer research"



"I will advise if your brilliant idea has legs. Ex. are the proposed claims backed by science and is there regulatory approval for your proposed ingredient(s)"



Technical/Prototype
Development

"I will advise if your brilliant idea has feet. Ex. will there be stability issues and can I make a product that consumers will enjoy with your proposed ingredient(s)"

Can easily be juice!

Consumer Study – Hydration⁺ Sports Drink

Validating a health benefit with a heart health claim by testing an unbranded paper concept.



H2omega-3

Hydration + Omega-3s

- Electrolytes
- B- vitamins (10 % DV)
- Omega-3s EPA + DHA for supporting heart health
- 28g of sugar per serving

Nutrition Facts 1 servings per container Serving size 16 oz (473ml) Amount Per Serving Calories 160 % Daily Value*

	% Daily Value*
Total Fat 5g	6%
Saturated Fat 0g	0%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 220mg	10%
Total Carbohydrate 28g	10%
Dietary Fiber 0g	0%
Total Sugars 28g	
Includes 28g Added Sugars	56%
Protein 0g	0%
Vitamin D 0mcg	0%
Calcium 0mg	0%
Iron 0mg	0%
Potassium 0mg	0%
Thiamin	10%
Niacin	10%
Vitamin B6	10%
Vitamin B12	10%
Biotin	10%
Pantothenic Acid	10%

*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

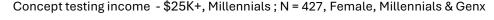


Consumer Study Results: What Do Consumers Say?

H2omega-3 is significantly perceived as new and different versus the control concept. Not bad, but is there anything further to learn from this study?

Concept Attributes Top Box (Top Two BOX) (N=427)						
	Likelihood to Purchase	Be lie va b le	Appealing	New and Different	Is it a better option?	
H2Omega-3 Concept (a)	7 1%	82%	80%	65% b 🎺	58%	
LEADING SPORTS DRINK (b)	71%	87%	79%	47% a	54%	





Sugar – The 800 lb Gorilla

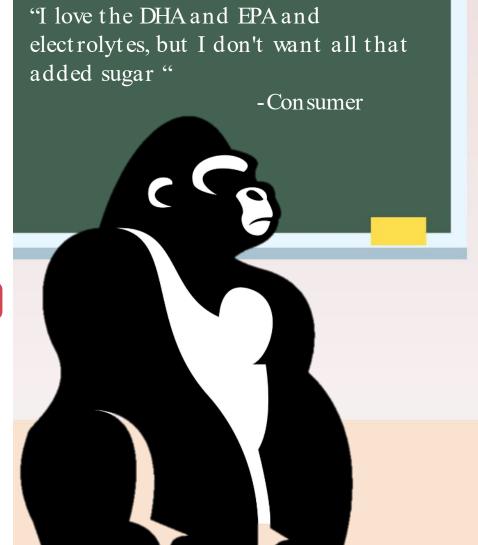
Back to the drawing board. Plenty of negative consumer feedback about the sugar content.



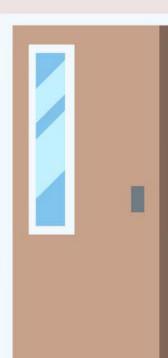


*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a

day is used for general nutrition advice.







RETEST

H2omega-3

Hydration + Omega-3s

- Electrolytes
- B- vitamins (10 0 % DV)
- Omega-3s EPA + DHA for supporting heart health
- 9g of sugar per serving
 2/3 less sugar than
 the previous concept!

Nutrition Fa	acts
1 servings per container	
	z (473ml)
	(•)
Amount Per Serving	00
Calories	80
	% Daily Value*
Total Fat 4.5g	6%
Saturated Fat 0.5g	3%
Trans Fat 0.5g	
Polyunsaturated Fat 0.6g	
Monounsaturated Fat 3.2g	
Cholesterol 0mg	0%
Sodium 230mg	10%
Total Carbohydrate 10g	4%
Dietary Fiber 0g	Nº/_
Total Sugars 9g	
Includes 9g Added Sugars	18%
Protein 0g	0%
Vitamin D 0mcg	0%
Calcium 0mg	0%
Iron 0mg	0%
Potassium 89mg	2%
Thiamin	100%
Niacin	100%
Vitamin B6	100%
Vitamin B12	100%
Biotin	100%
Pantothenic Acid	100%

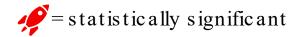
*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.



Consumer Study Results: What Do Consumers Say Now?

H2omega-3 is significantly preferred over the control across most attributes. The most significant adjustment to the concept was reducing the sugar content by nearly 67%!

Concept Attributes Top Box (Top Two BOX) (N=303)						
	Likelihood to Purchase	Be lie vab le	Appealing	New and Different	Is it a better option?	
H2Omega-3 Concept (a)	86% b 🧳	88%	88% b 🧳	76%b 🧳	77% b 🧳	
LEADING SPORTS DRINK (b)	76% a	86%	79% a	50% a	66% a	



Concept testing income - \$25K+, Millennials; N = 308, Female, Millennials & Genx

How likely would you be to purchase this product? Very Likely to Very Unlikely (5 point scale); How believable are the product claims on the package? Believable to Unbelievable (5 point scale); How appealing is this product to you? Very Appealing to Very Unappealing (5 point scale); Is a better option compared to similar products? Source: Qualtrics. Statistical testing at 95% level

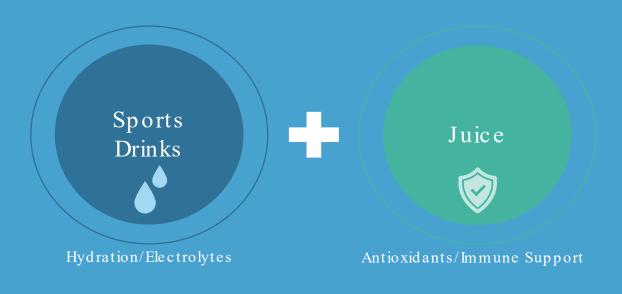


General Takeaways From All This...

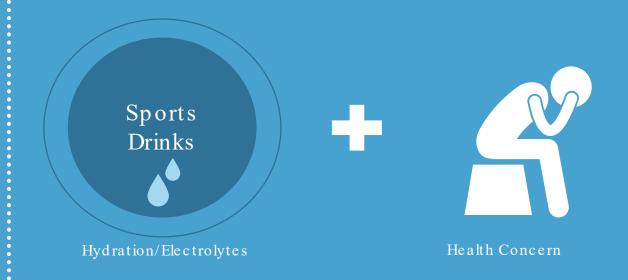
- · Evolving health concerns can serve as a foundation for ideation
- When leveraging fortification to produce on-pack claims, proper due diligence is required
- Never ignore the 800 lb gorilla!
- Validated consumer feedback further serves as a direction for new product development

Proposals for Lifting a Beverage Category with Functional Claims

Blur category lines and borrow from another segment's inherent halo—at times aided by fortification.



2 Add a health benefit based on evolving consumer health concerns, aided by fortification.



OR

Final Considerations

- Package formats and positioning (i.e. multi-serve vs RTD)
- Avoiding the kitchen sink conveying too many benefits
- Regulatory (i.e. ingredients that do not have GRAS)
- Sensory (i.e. masking off notes from certain premix ingredients)
- Demographics and positioning
- · On-target claims messaging substantiated by science
- Strategic direction of brand and category

We bring progress to life TM

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