

INTERNATIONAL NUT & DRIED FRUIT COUNCIL

# Hot Topics in the Nut & Dried Fruit Industry



# CONTENTS

## 1. Nut & Dried Fruit Industry Trends

- a. Retail
- b. Manufacturing Industry
- c. Challenges
- d. How to drive demand?
- e. Where to drive demand?

## 2. Where to Next?

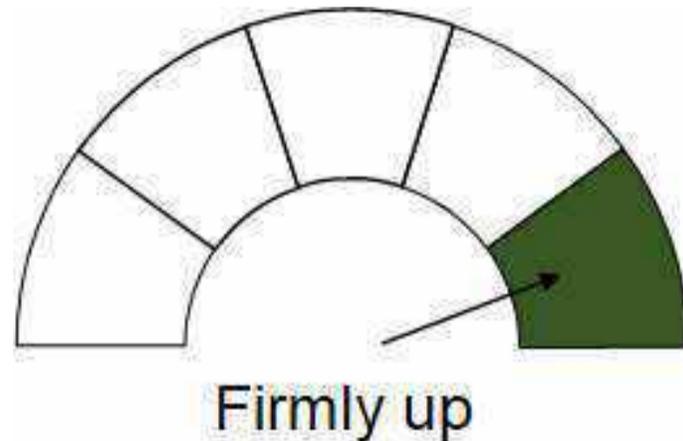
- a. Food Nutrients & Perceptions of Nuts & Dried Fruits
- b. Snacking Culture & Nuts & Dried Fruit Presence
- c. Cultural Context Regarding Meals
- d. INC Multi-country Campaign to Gen Z in India
- e. Key Takeaways

# Nut & Dried Fruit Industry Trends



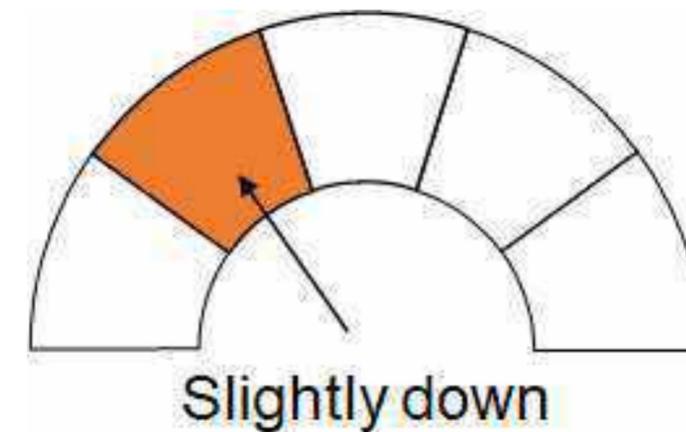
# RETAIL MAIN SHIFTS IN SNACKS DEMAND OBSERVED LAST YEAR IN RETAIL AND ONLINE TRADE

## Growing Markets



- Snack demand keeps growing.
- Increased demand of flavored nuts in higher-purchasing power markets.
- Expansion of discount stores and increased demand for bulk nuts in lower-purchasing power markets.

## Mature Markets



- Slightly sluggish snack demand.
- Shift towards cheaper alternatives (*e.g.* pulse and potato snacks).
- More point of sale items and small bags.
- Shift towards cheaper items in trail mixes for lower retail prices.

# RETAIL MAIN SHIFTS IN FUNCTIONAL FOODS DEMAND OBSERVED LAST YEAR IN RETAIL AND ONLINE TRADE

## Growing Markets



- Functional foods demand keeps growing.
- Still a niche market, but steadily growing.
- Continued innovation for this kind of products.

## Mature Markets



- Slight but steady growth of functional foods demand due to consumers' awareness of their health benefits.

# **RETAIL** MAIN SHIFTS IN **PACK SIZES** OBSERVED LAST YEAR IN RETAIL AND ONLINE TRADE

## **Growing Markets**

**Luxury packs in smaller sizes in higher-income sectors and large packs in lower-income sectors.**

- Added-value nut gift boxes in small sizes and luxury packaging.
- Nut in bulk or large packs in lower-income markets.

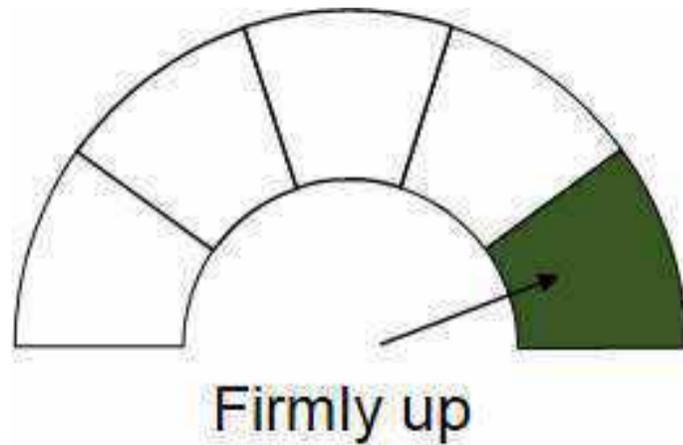
## **Mature Markets**

**Packs were either reduced or gone extra large for lower price point in an inflationary environment.**

- Reduced pack sizes or less net content per pack to deal with inflation.
- XXL packs or big club packs for promotional pricing.
- Innovation in packaging material to reduce waste.

# RETAIL MAIN SHIFTS IN INNOVATION OBSERVED LAST YEAR IN RETAIL AND ONLINE TRADE

## Growing Markets



### Innovation applied to:

- Flavored products
- Functional products
- Nut drinks and oils
- Packaging

## Mature Markets

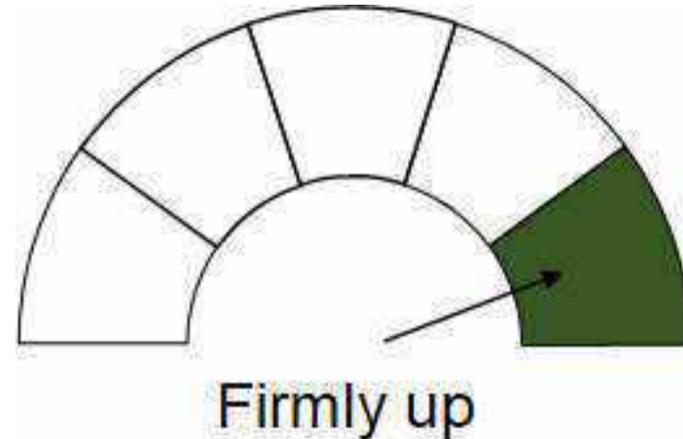


### Innovation applied to:

- Flavored nuts
- Nut drinks and flours
- Nut and dried fruit bakery products
- Packaging

# MANUFACTURING INDUSTRY MAIN SHIFTS IN NUT AND DRIED FRUIT DEMAND OBSERVED LAST YEAR IN THE MANUFACTURING INDUSTRY

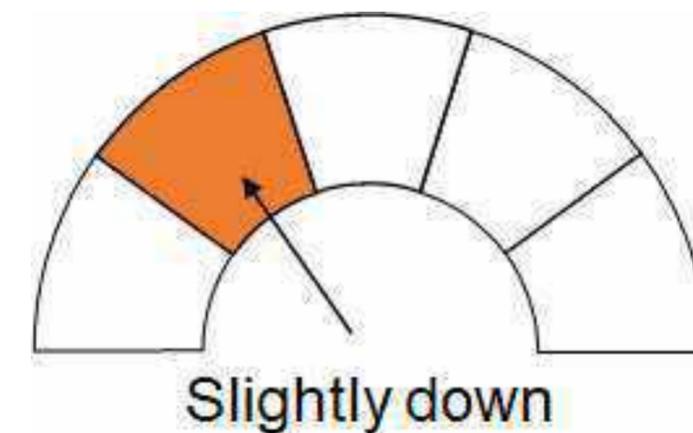
## Growing Markets



Demand in growing markets keeps growing, particularly for:

- Flavored nuts
- Nut drinks, bars and muesli
- Online influential products
- Private brands
- Cost-effective and bulk products

## Mature Markets



Slightly sluggish demand (down by 5-10%) mainly due to:

- Large carry-over
- Global economic climate
- Inflationary pressure
- Shift towards cheaper alternatives

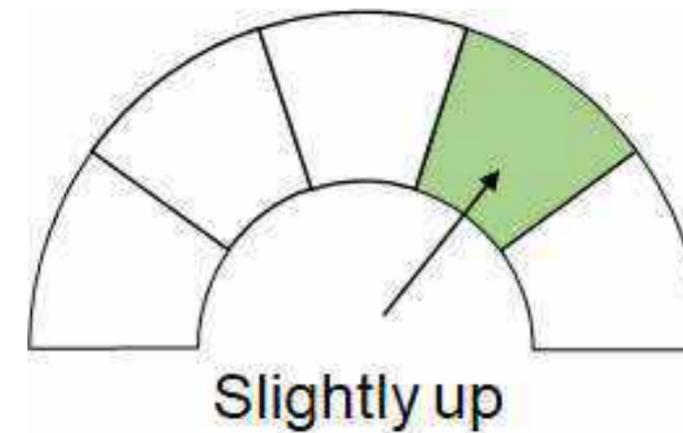
# MANUFACTURING INDUSTRY MAIN SHIFTS IN ADDED-VALUE PRODUCTS DEMAND OBSERVED LAST YEAR IN THE MANUFACTURING INDUSTRY

## Growing Markets



- Increased demand of added-value product such as:
  - Flavored nuts
  - Gift boxes

## Mature Markets



- Shift towards added-value products, such as:
  - Plant-based ingredients
  - Ready to eat products

# SHIFTS IN DEMAND LAST YEAR

## Product Categories with increased demand:

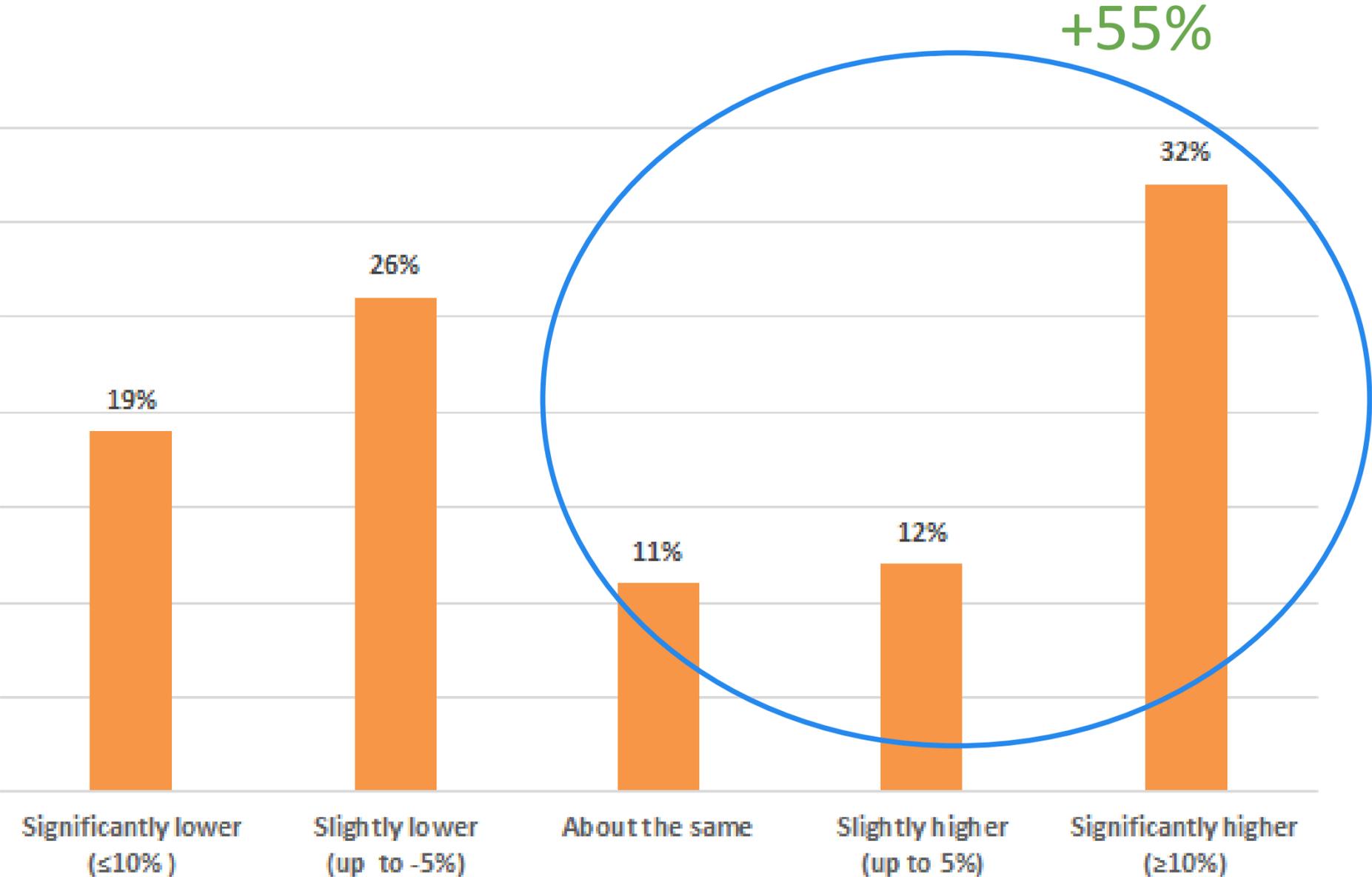
### RETAIL

- Flavored nuts
- Nut drinks
- Nut spreads
- Nut mixes
- Healthy snacking products

### MANUFACTURING INDUSTRY

- Flavored nuts
- Blanched kernels
- Ingredients
- Low-cost trail mixes
- Private label products

# 2023 DEMAND/CONSUMPTION VS. 2022? INDUSTRY'S EXPECTATIONS FOR 2023 DEMAND



- +55% expects this year's consumption to be equal or above last year's
- 32% foresees a significant increase, at least 10% up from 2022, heavily driven by the growing markets' consumption.

## CHALLENGES INDUSTRY'S MAIN CHALLENGES ACROSS THE VALUE CHAIN

Top 1	Inflationary environment
Top 2	Inputs rising costs
Top 3	Drought, extreme high temperatures and quality
Top 4	Sluggish demand
Top 5	Low prices (growers)
Top 6	Unfavorable trade and regulatory environment
Top 7	Logistical issues

# CHALLENGES COSTS RANKING, 2022 VS. 2023

2022	
Ranking	Cost Type
Top 1	Labour
Top 2	Energy/Fuel
Top 3	Raw materials
Top 4	Packaging
Top 5	Freight Rates/Transport
Top 6	Fertilizers, pesticides...
Top 7	Water

2023	
Ranking	Cost Type
Top 1	Labour (mature markets)
Top 2	Raw materials
Top 3	Energy
Top 4	Packaging
Top 5	Fertilizers, pesticides...
Top 6	Freight Rates/Transport
Top 7	Water

# CHALLENGES MOST RELEVANT SUSTAINABILITY CHALLENGES THE INDUSTRY IS CURRENTLY FACING

Top 1	Supply chain traceability and source transparency
Top 2	Water management
Top 3	Gender diversity, equity and inclusion
Top 4	Packaging reduction and labeling
Top 5	Nature-positive approach and regenerative agriculture
Top 6	Net zero and scope 3 emissions
Top 7	Circular economy principles

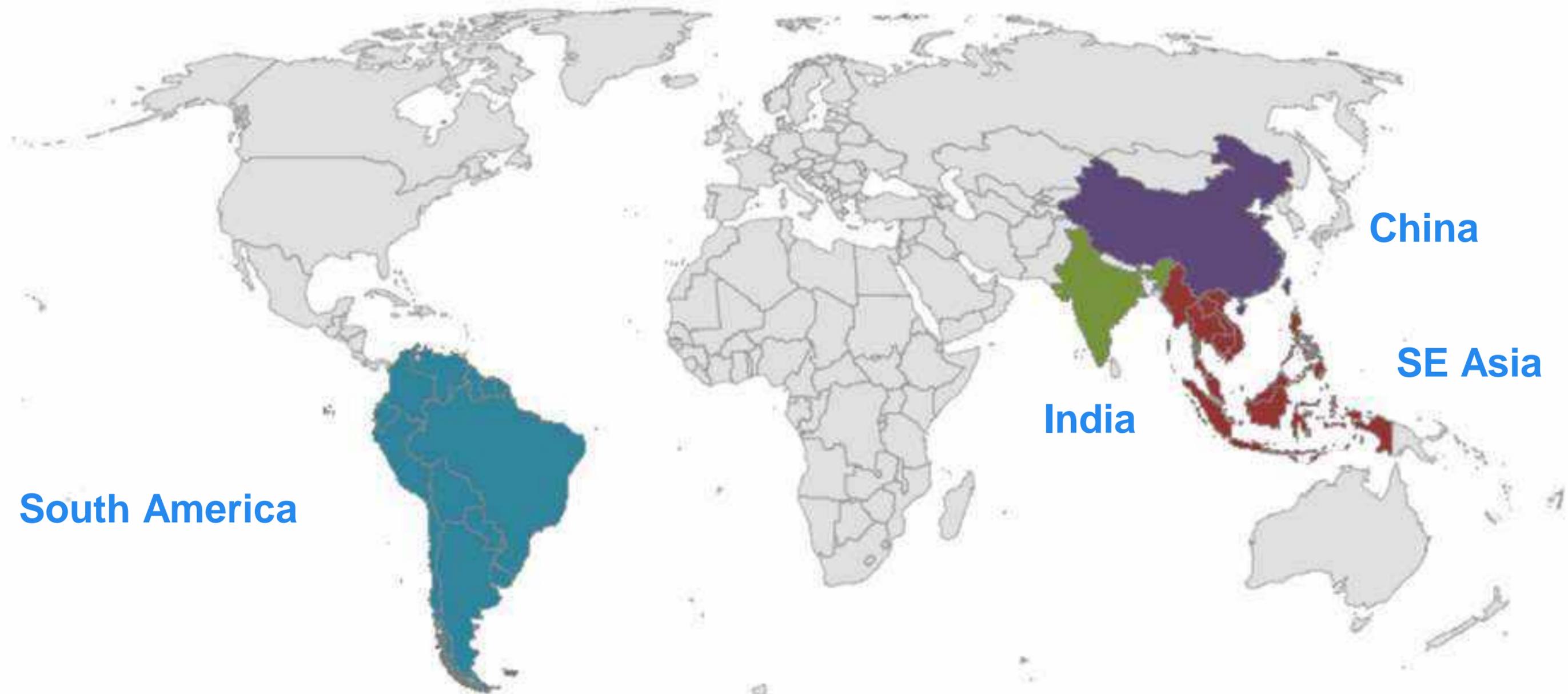
## **HOW TO DRIVE DEMAND?** MOST RELEVANT ACTIONS IMPLEMENTED BY THE INDUSTRY TO DRIVE DEMAND

- Increasing promotions and marketing
- Strengthening awareness about health attributes of nuts and dried fruits
- Stimulating new product development and launches
- Advertising in social media
- Increasing ingredient use through nut drinks
- Promoting snacking, topping and baking use among consumers

# HOW TO DRIVE DEMAND? THROUGH PRODUCT INNOVATION AND LAUNCHES

- Flavored and coated nuts, both in-shell and shelled (especially in the Asian market)
- Nut-based drinks and spreads
- Nut oils (*e.g.* pistachio, walnut and other nut oils) for food and cosmetic industry
- Nut flours and bakery products with nuts and dried fruits
- Biodegradable packaging

# WHERE TO GROW DEMAND? MARKETS WITH HIGH DEMAND POTENTIAL



# MARKETS WITH HIGH DEMAND POTENTIAL EXPECTATIONS FOR TREE NUT AND DRIED FRUIT CONSUMPTION OVER THE NEXT TEN YEARS

1,428.6 M



## India: An already growing market, with bright perspectives

- Expected annual growth: around 7% per year until 2033
- As economy is anticipated to growth about 7-8% annually, middle income groups, with higher purchasing power, are also expanding.
- The largest population in the world, with a majority under 28 year old.
- General awareness of health benefits of consuming nuts and dried fruits (well covered by Indian media).
- Products with highest demand growth potential: almonds, cashews and walnuts.
- How to keep driving this demand? You'll see!

# MARKETS WITH HIGH DEMAND POTENTIAL EXPECTATIONS FOR TREE NUT AND DRIED FRUIT CONSUMPTION OVER THE NEXT TEN YEARS

1,425.7 M



**China: A traditional market for walnuts and pine nuts with a lot of room for expansion**

- Expected annual growth: around 5% per year until 2033, depending on a decrease of import duties.
- Large population
- Products with highest demand growth potential: pistachios, cashews and pine nuts.
- How to drive this demand? By strengthening **promotion**, especially in nuts that are not traditional in China, such as macadamias, pecans and Brazil nuts. **INC currently present!**

# MARKETS WITH HIGH DEMAND POTENTIAL EXPECTATIONS FOR TREE NUT AND DRIED FRUIT CONSUMPTION OVER THE NEXT TEN YEARS

687 M



## SE Asia: Another market with growth potential

- Huge potential market for tree nuts, depending on continued growth in GDP and political stability
- Population 687 million people and 740 M by 2033.
- Products with highest demand growth potential: pistachios, almonds, macadamias, pecans and hazelnuts.
- How to drive this demand? A strong **promotion** is required, many people in this region only know cashews. **Key market for INC dissemination campaigns!**

# MARKETS WITH HIGH DEMAND POTENTIAL EXPECTATIONS FOR TREE NUT AND DRIED FRUIT CONSUMPTION OVER THE NEXT TEN YEARS

440 M



**South America: Traditionally a exporting market with room for for domestic consumption growth**

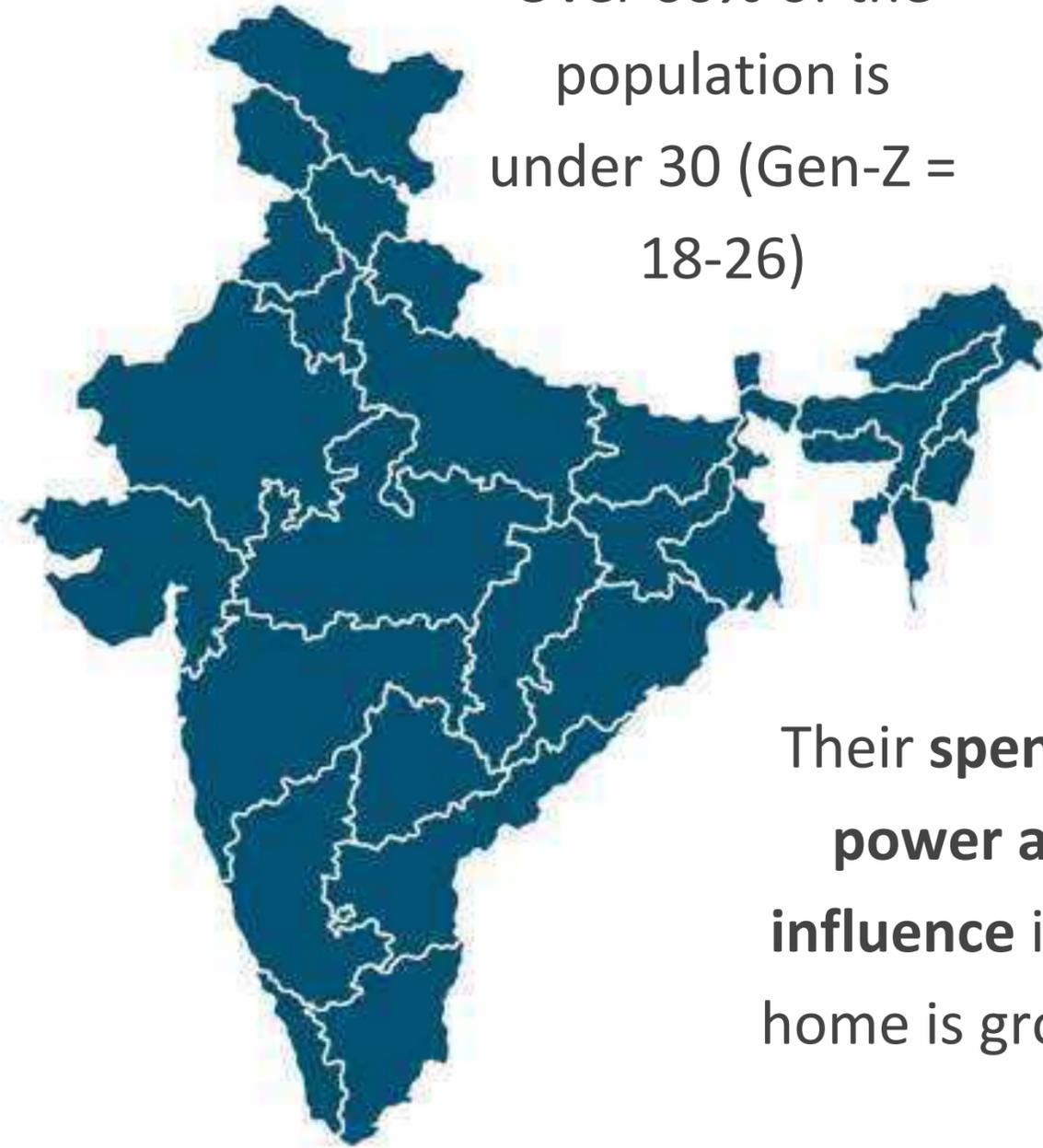
- Huge potential market for tree nuts, depending on political stability
- Population 440 million people and about 500 M by 2033.
- Products with highest demand growth potential: almonds, hazelnuts, cashews and pistachios.
- How to drive this demand? Increasing awareness of health benefits of consuming nuts and dried fruits and promoting new usages (e.g. nut drinks, spreads, toppings, etc.) and consumption all year-round. **INC will be there soon!**



# GEN Z IN INDIA AN OVERVIEW

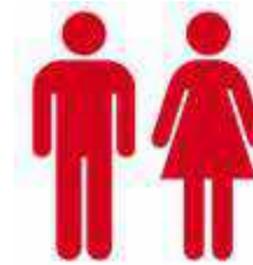


INC



Over **60%** of the population is under 30 (Gen-Z = 18-26)

Their **spending power and influence** in the home is growing



**TOTAL POPULATION**

1,428.6.6M

**GEN Z POPULATION**

4.7M



**LANGUAGE**

HINDI, ENGLISH

**GEN Z LANGUAGE**

HINGLISH

Gen Z in India spend on average 8hrs per day online

# Gen Z Research in India



**FOOD NUTRIENTS  
AND  
N&DF  
PERCEPTIONS**



**SNACKING CULTURE  
AND  
N&DF  
PRESENCE**



**CULTURAL CONTEXT  
REGARDING MEALS  
AND N&DF**

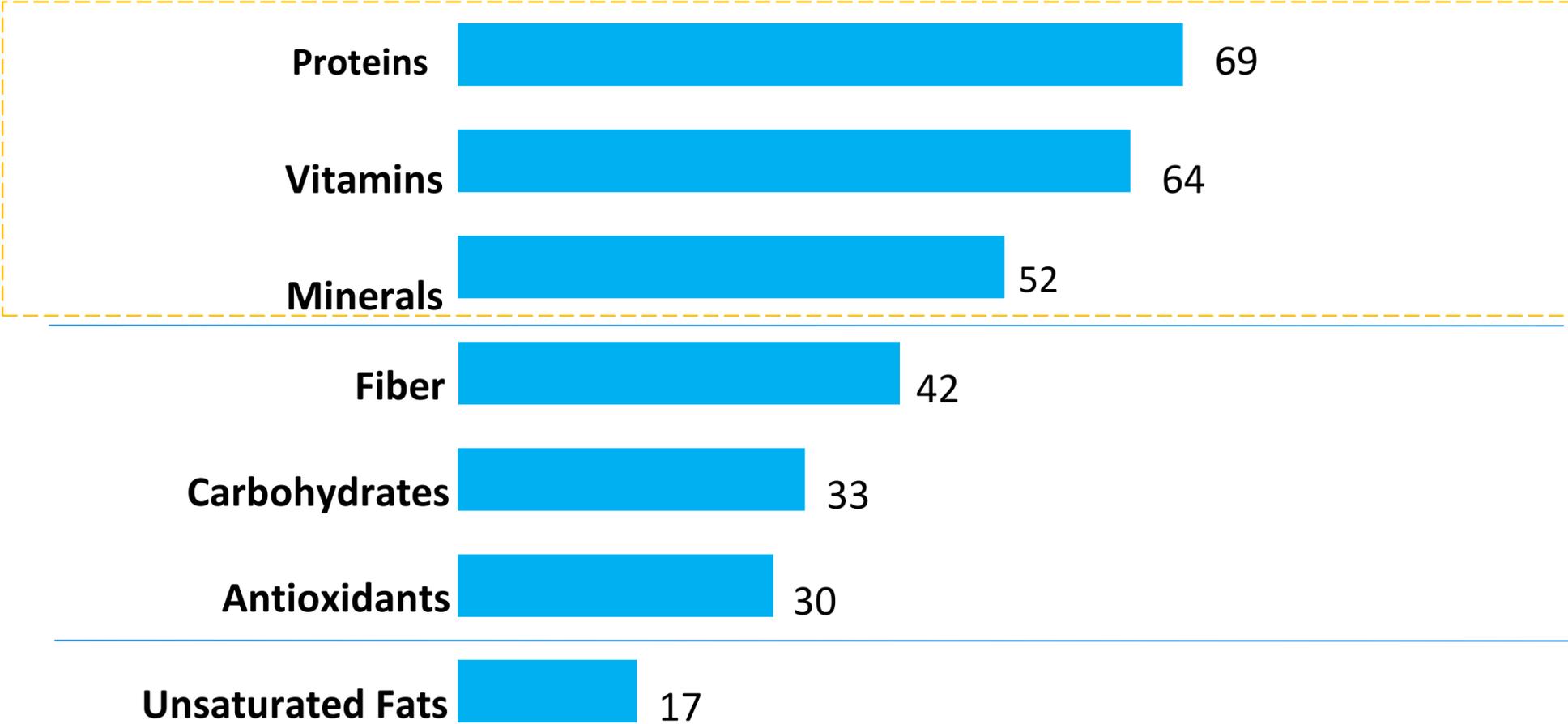
# Food Nutrients & Perceptions of Nuts & Dried Fruits



# IMPORTANCE OF NUTRIENTS AMONG GEN Z IN INDIA



**Proteins** and **vitamins** are essential nutrients for most respondents, followed by minerals. Unsaturated fats, on the other hand, seem to be less relevant.



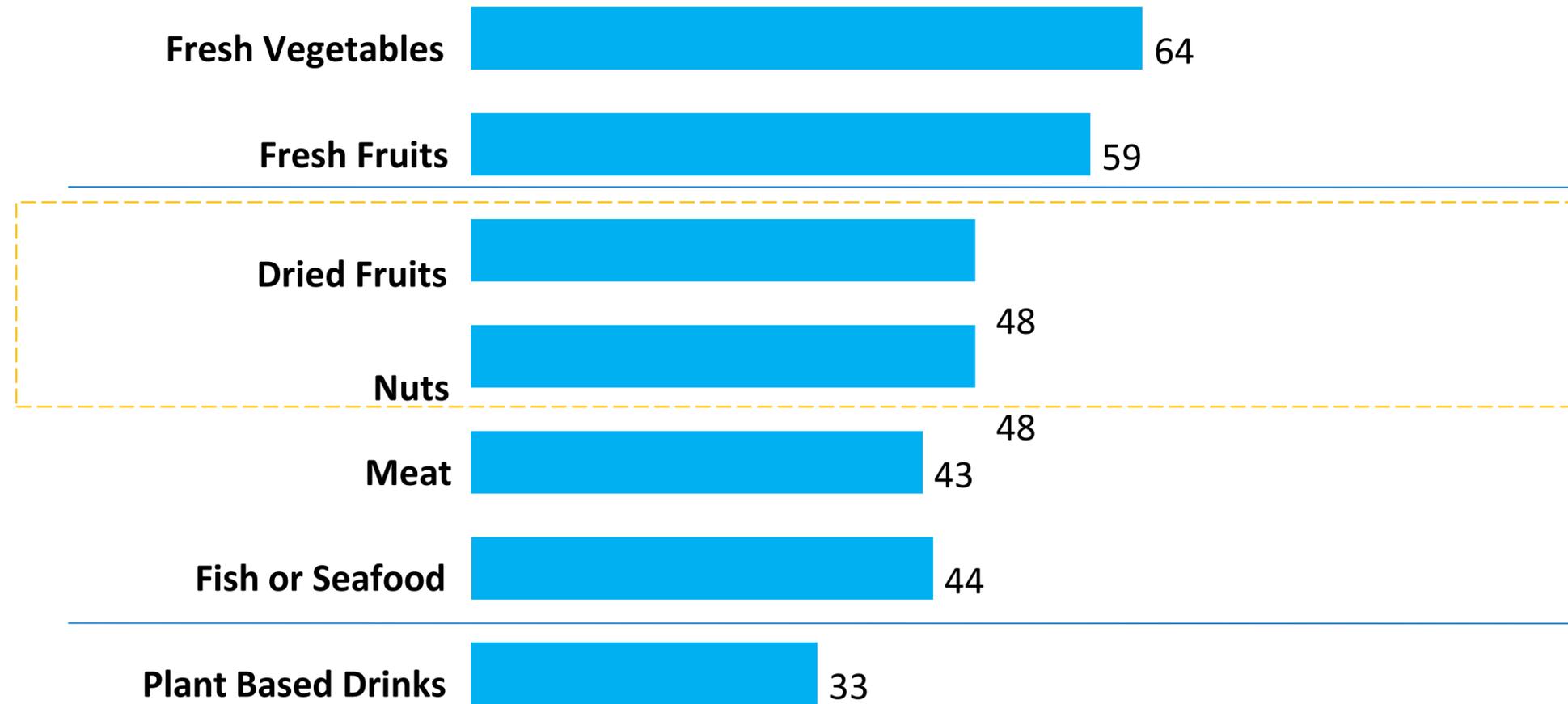
OGILVY



# FOODS ASSOCIATED WITH “RICH IN PROTEINS” AMONG GEN Z IN INDIA

Fresh Vegetables and Fruits are highly associated with proteins. **Dried fruits** and **nuts** are perceived as rich in proteins, more than even meat and fish or seafood.

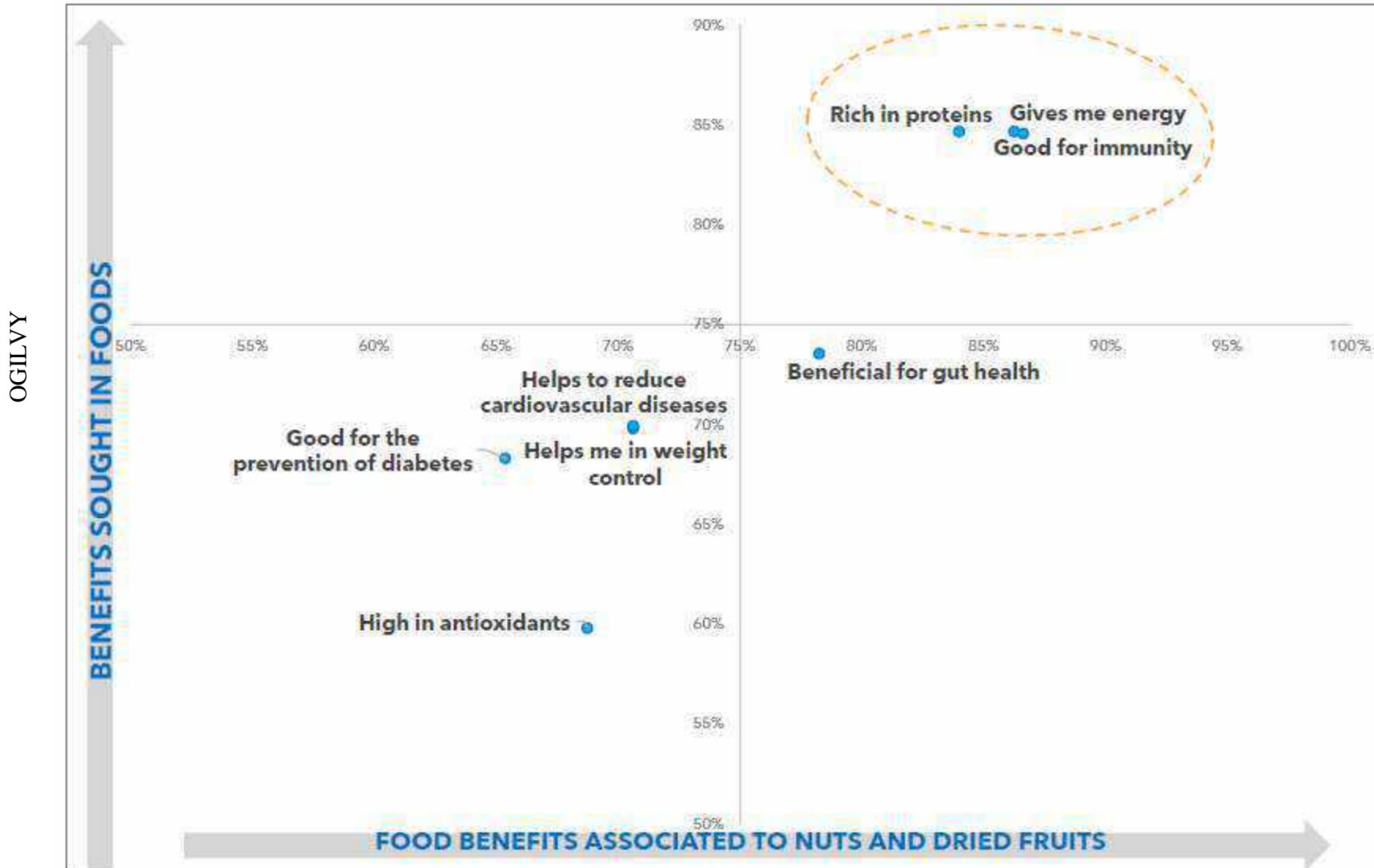
OGILVY



# FOOD BENEFITS AND THEIR ASSOCIATION TO NUTS AND DRIED FRUITS AMONG GEN Z IN INDIA



- Interestingly, respondents already perceive that nuts and dried fruits are delivering the main three benefits that they seek in foods.
- Hence, it can be concluded that NDFs are perceived as highly beneficial to health



**Proteins result to be another important food benefit for Gen-Z that are also highly associated to nuts and dried fruits.**

**These are added to the 2022 list of relevant food benefits associated to this products: immunity, energy and brain health.**

**2022 Results**

Q3. How relevant for you are the following benefits/attributes in relation to FOOD? Answers from "Extremely relevant" to "Not relevant at all", 5-point scale  
 Q4. How much do you agree that the following benefits apply to NUTS and DRIED FRUITS? Answers from "Applies a lot" to "Does not apply at all", 5-point scale  
 DATA IN %  
 SAMPLE SIZE: N=800

# Snacking Culture & Nuts & Dried Fruit Presence

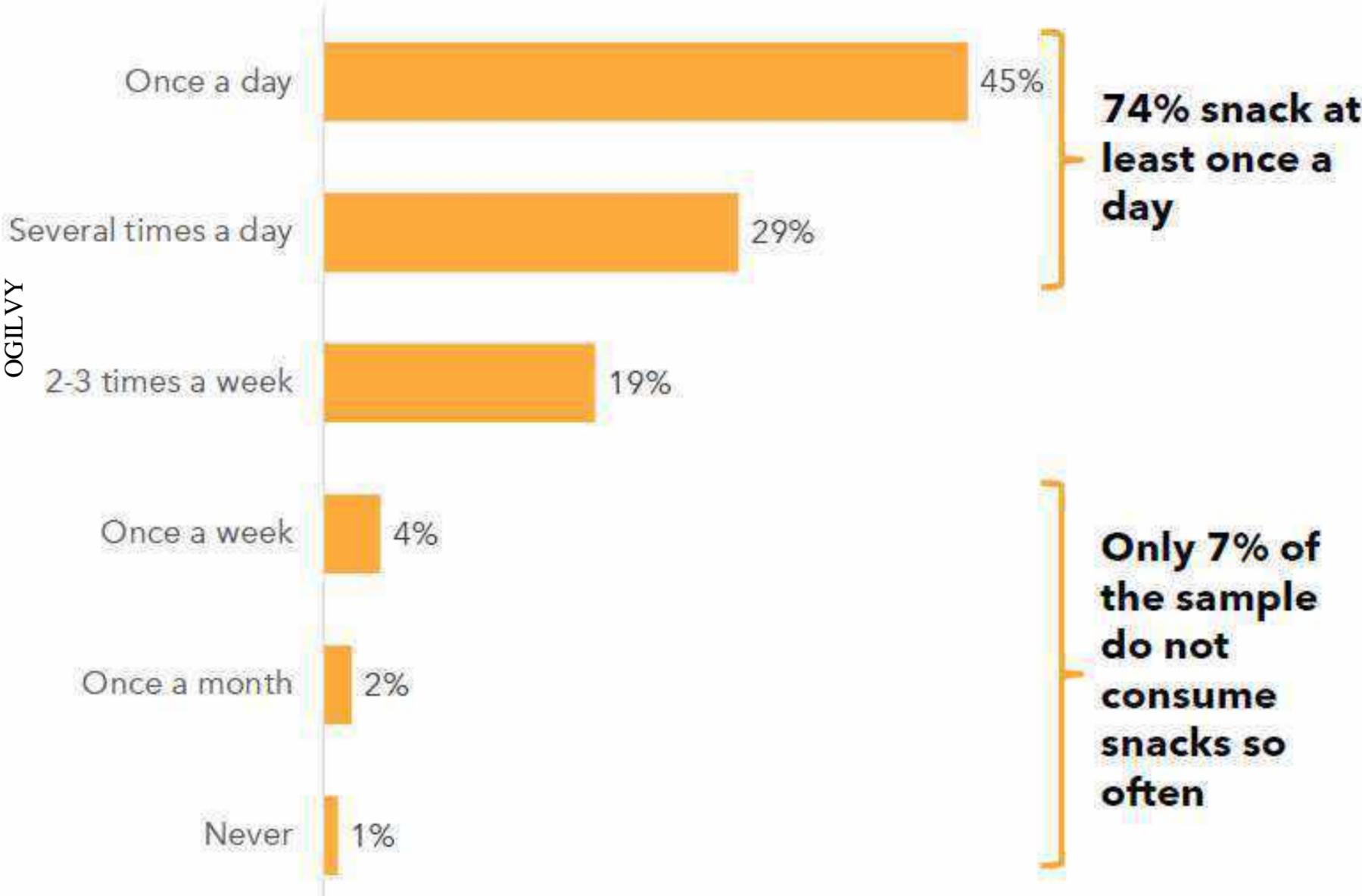


# FREQUENCY AND REASONS FOR SNACKING AMONG GEN Z IN INDIA

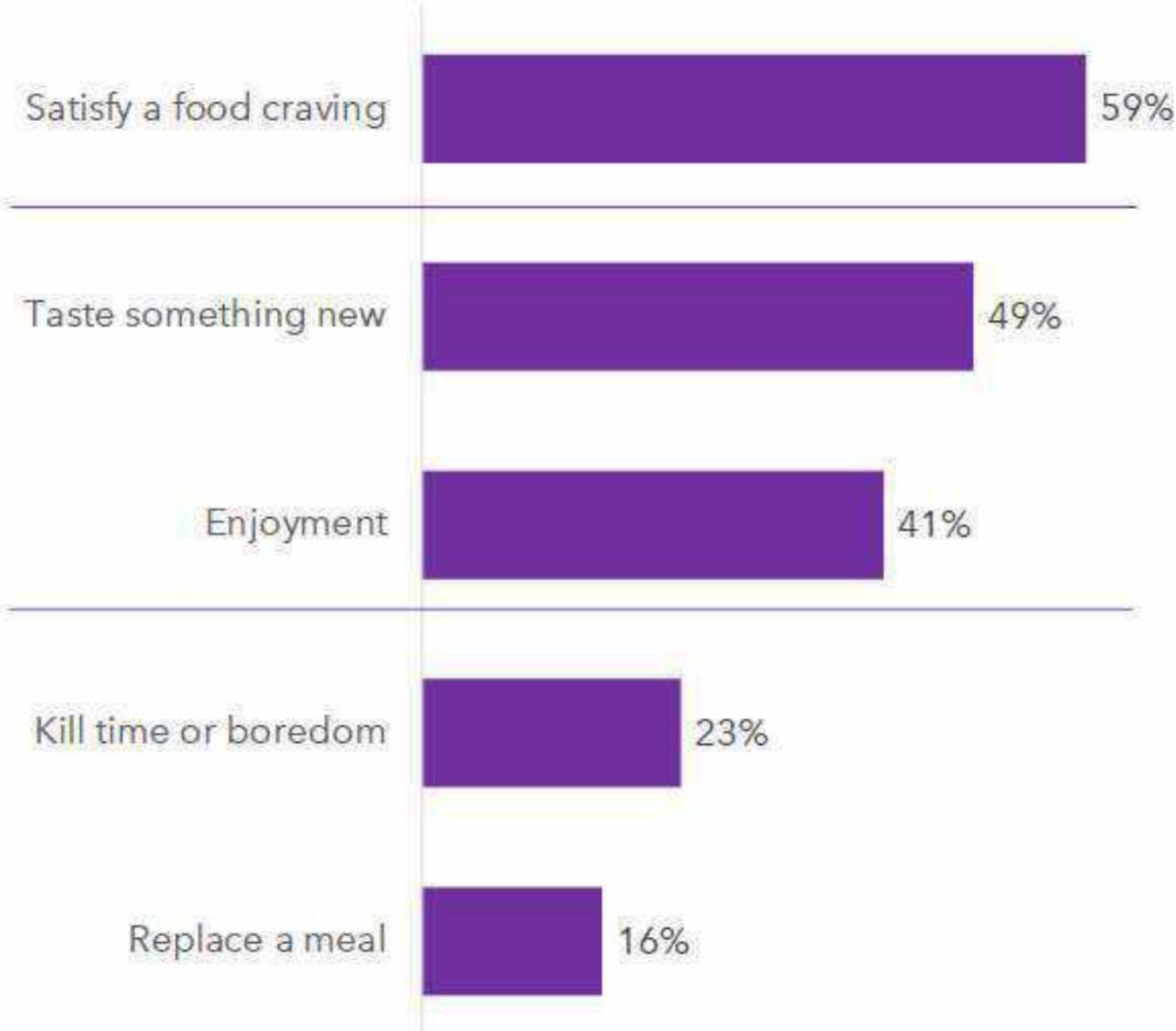


Snacking is an opportunity due to the high incidence among Gen Z: three out of four respondents eat a snack at least once a day. Most of them eat a snack to satisfy a food craving. As secondary reasons, they snack to taste something new and out of enjoyment.

How often do they snack?



Why do they snack?

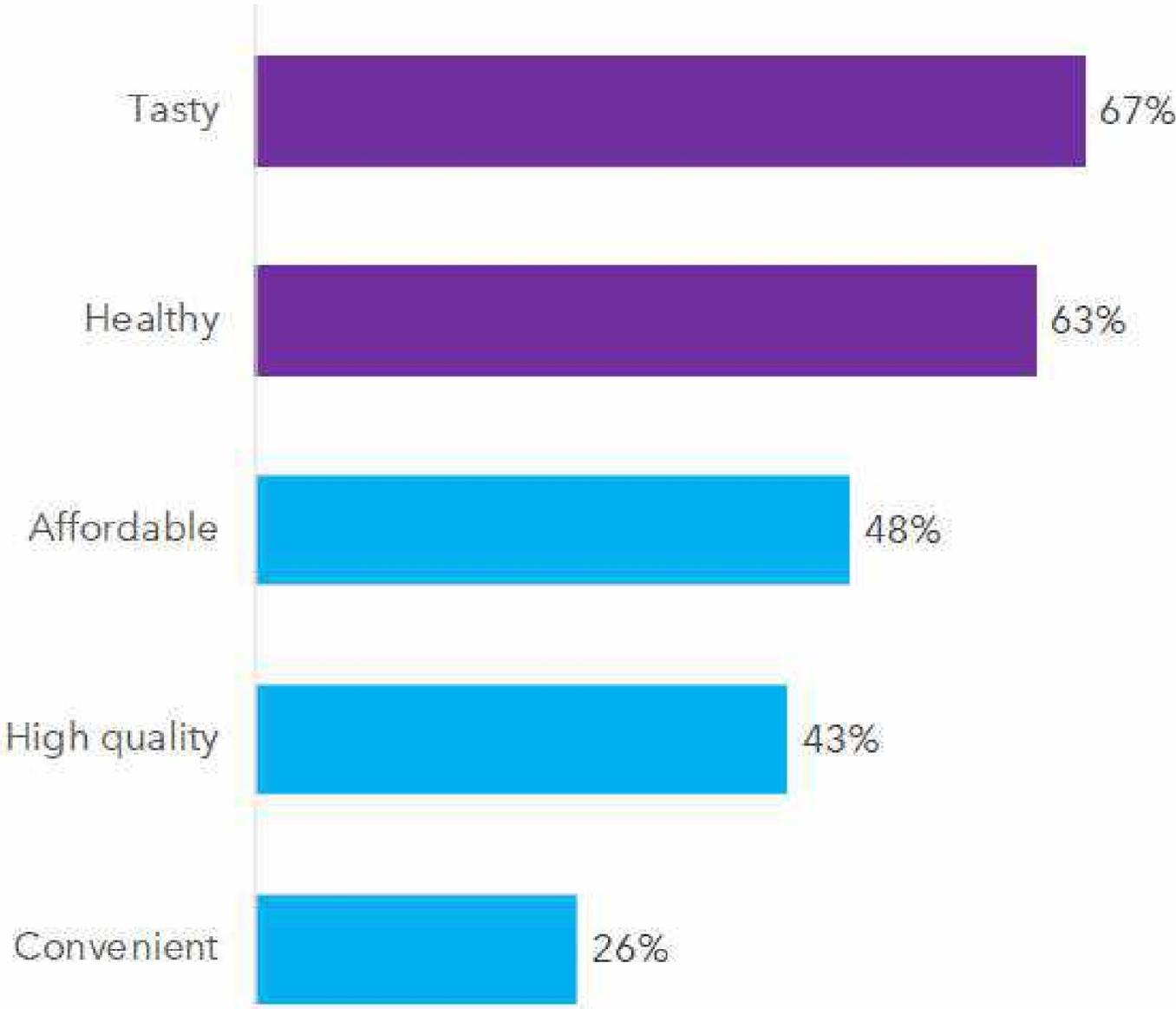


# SNACK REQUIREMENTS AMONG GEN Z IN INDIA



It seems that this generation is looking for two great requirements -either one or the other depending on the moment or both at the same time: that **snacks have to be tasty and/or healthy.**

## Snack requirements



**N&DF are already strongly associated with the second requirement for a snack:** according to 2022 survey, 89% associated them with health benefits.

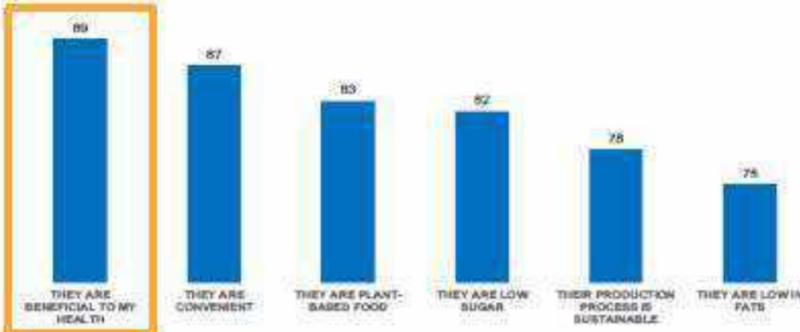
Nevertheless, **N&DF are also associated to barriers to its consumption as a snack:** 71% consider them as expensive (while 48% look for non expensive snacks) and 55% associate them as having an unpleasant taste (while being tasty is the main driver to choose a snack among others).

As N&DF covers a wide range of foods, **INC should explore to find out the difference among the varieties.**

## IMAGE OF N&DF FOR GEN Z

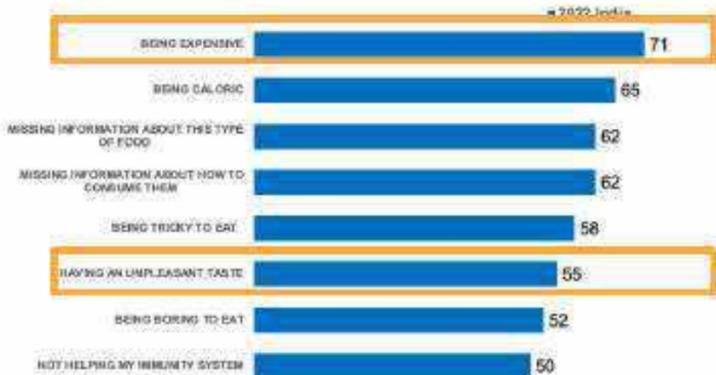
%TOP2: Completely + Somewhat agree

2022 India



## MAIN WEAKNESS FOR NDF CONSUMPTION

%TOP2: Completely + Somewhat agree



2022 Results

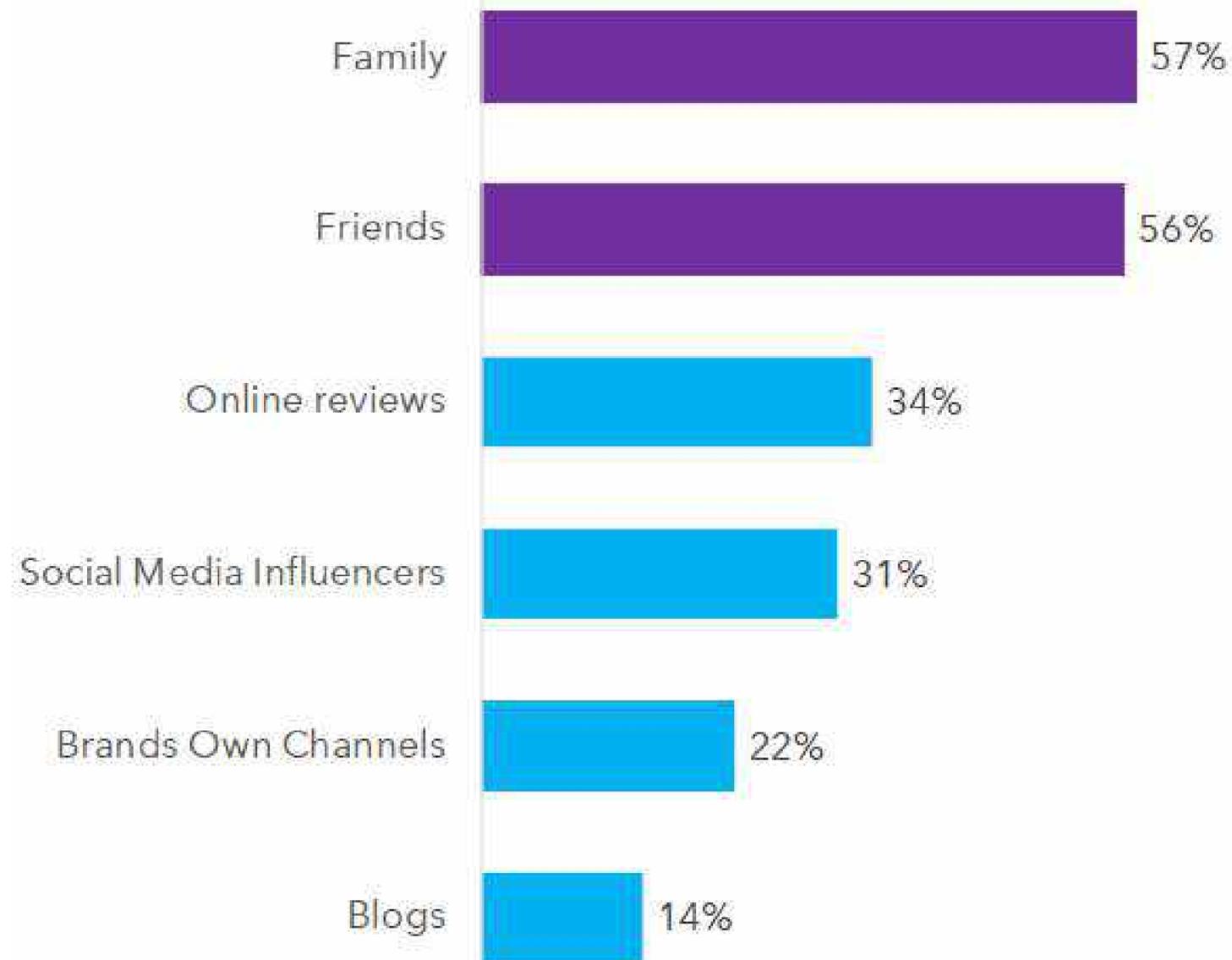


# INSPIRATION FOR SNACKS & PLACE OF CONSUMPTION

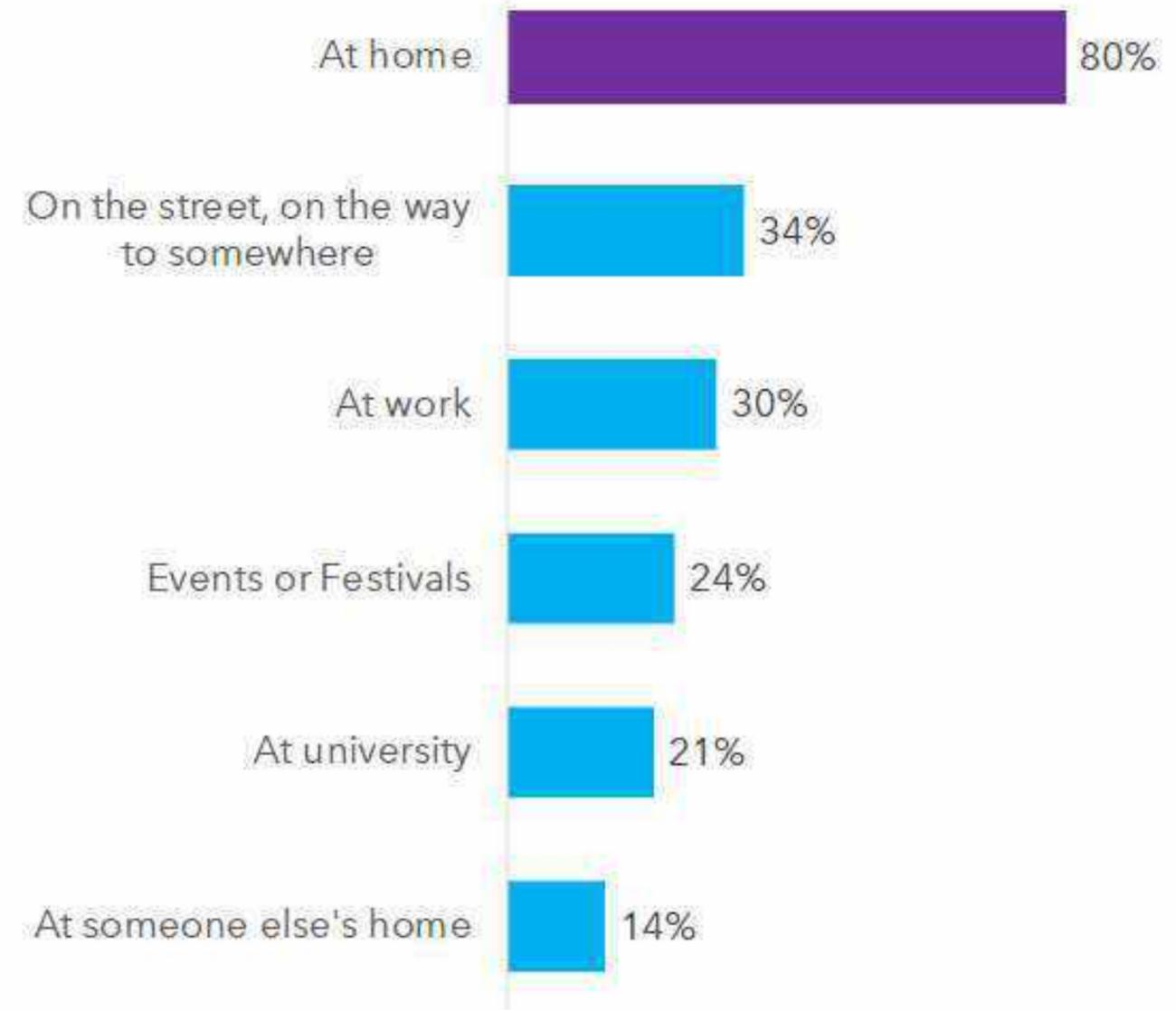
- The role of **Gen Z' social environment is key as source of inspiration**, while the social channel (reviews, social media...) remains in second place at the reference level when deciding what to snack.
- Main place of consumption is at home but on the go is on the rise.

OGILVY

## Inspiration



## Where They Snack





# SNACKING: differences between those who snack frequently VS those who don't

As we said, only 7% of the sample do not consume snacks so often (once a week or less often):

- They show **less interest to satisfy food cravings** and there's a **lower tendency to use snacks to pass the time**.
- This group is **less interested in healthy options** and is **less concerned about quality**.
- **Higher tendency to consume snacks on the street**, rather than at home when compared to the groups that snack regularly.

OGILVY

### REASONS FOR SNACKING

	Total	Snack regularly	Does not regularly
<b>Base</b>	<b>796</b>	<b>748</b>	<b>48*</b>
Satisfy a food craving	59%	<b>60%</b>	48% ↓
Taste something new	49%	49%	48%
Enjoyment	41%	41%	42%
Kill time or boredom	23%	<b>24%</b>	13% ↓
Replace a meal	16%	17%	10%

### REQUIREMENTS FOR SNACKS

	Total	Snack regularly	Does not regularly
<b>Base</b>	<b>796</b>	<b>748</b>	<b>48*</b>
Tasty	67%	67%	69%
Healthy	63%	<b>64%</b>	44% ↓
Affordable	48%	48%	42%
High quality	43%	<b>44%</b>	17% ↓
Convenience	26%	27%	15%

### PLACE OF CONSUMPTION

	Total	Snack regularly	Does not regularly
<b>Base</b>	<b>796</b>	<b>748</b>	<b>48*</b>
At home	80%	<b>82%</b>	50%
On the street, on the way to somewhere	34%	33%	<b>42%</b>
At work	30%	<b>31%</b>	15%
Events or Festivals	24%	24%	25%
At university	21%	21%	15%
At someone else's home	14%	14%	19%

↑ ↓ Highlights important differences between columns

# SNACKING: DIFFERENCES BY REGION



## REQUIREMENTS FOR SNACKS

North	South	East	West	Central*
Tasty 69% Healthy 64%	Tasty 70% Healthy 65%	<b>Healthy 63%</b> <b>Tasty 62%</b>	Tasty 65% Healthy 64% <b>Affordable 51%</b>	Tasty 68% Healthy 52%

## INSPIRATION FOR SNACKS

North	South	East	West	Central*
Friends 57% Family 56% Online reviews 36%	<b>Family 63%</b> Friends 58% Social Media Influencers 32%	Family 57% Friends 52% <b>Online reviews 39%</b>	Friends 57% <b>Family 46%</b> <b>Social Media</b> <b>Influencers 38%</b>	Family 58% Friends 58% Online reviews 35%

## PLACE OF CONSUMPTION

North	South	East	West	Central*
At home 80%	<b>At home 88%</b>	At home 78%	At home 69% <b>On-the-go 40%</b>	At home 77%

In general, there are no differences among regions in what Gen Z searches when snacking in 1st place, where do they mainly get the inspiration and main place of consumption. Nevertheless, there are some particularities:

**South** - Family has more presence as source of inspiration when deciding what to snack, and related to that, consumption at home has a higher presence.

**East** - health has more relevance –even vs being tasty and online reviews have more weight when deciding what to snack.

**West** - being affordable is more relevant, and social media influencers have more weight than the average (while family's role has less). Also, a higher incidence of on-the-go consumption.

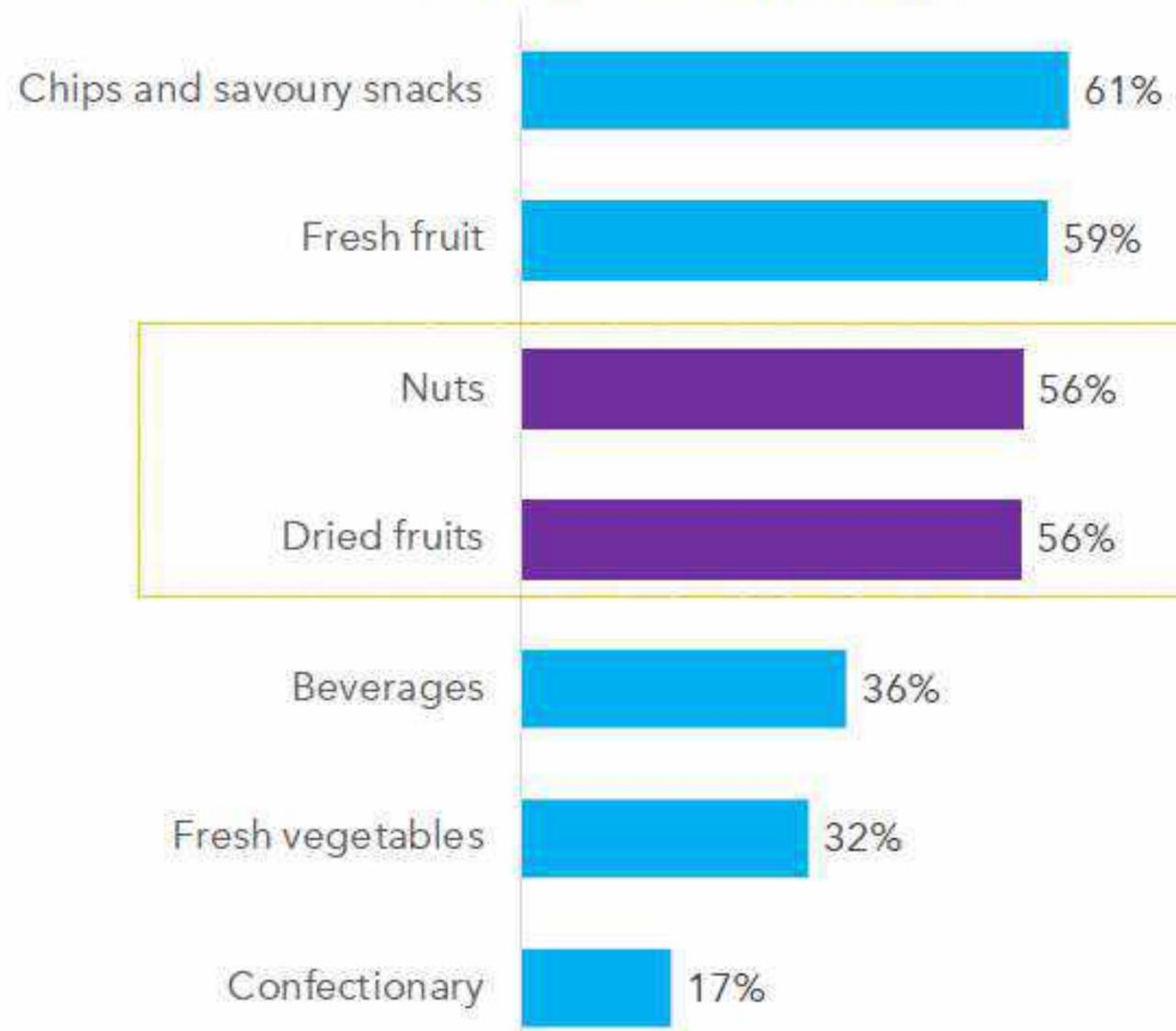
# WHAT THEY SNACK AMONG GEN Z IN INDIA



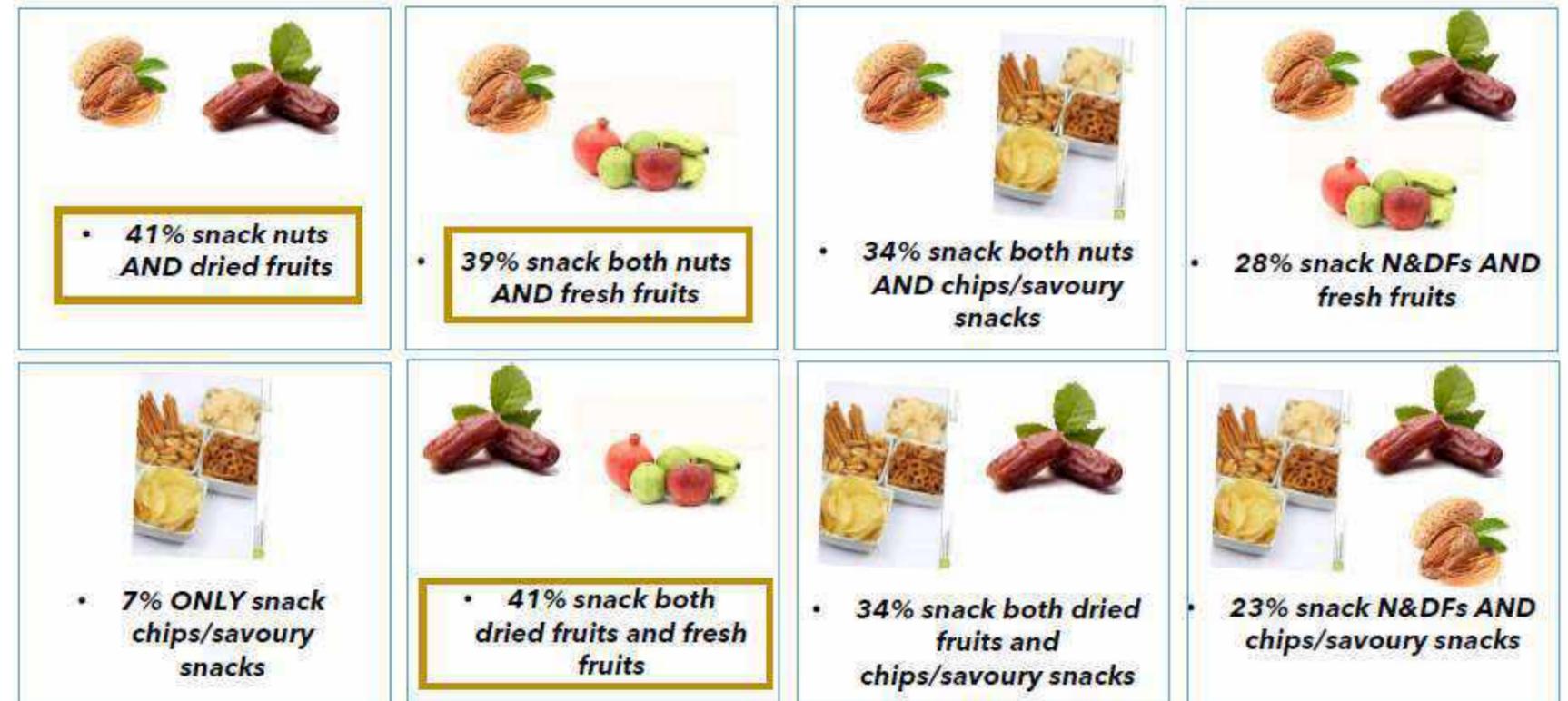
- Most respondents snacks either **chips/savoury snacks or fresh fruit** (main threats to the N&DFs category). **To a slightly lower degree, nuts and dried fruits** are also involved in snacking.
- **But Gen-Z in India snacks 3 foods on average, which means that there's an opportunity to grow inside this moment of consumption and, also is an opportunity for cross-selling or communicate combinations:**

OGILVY

Foods involved in the snack



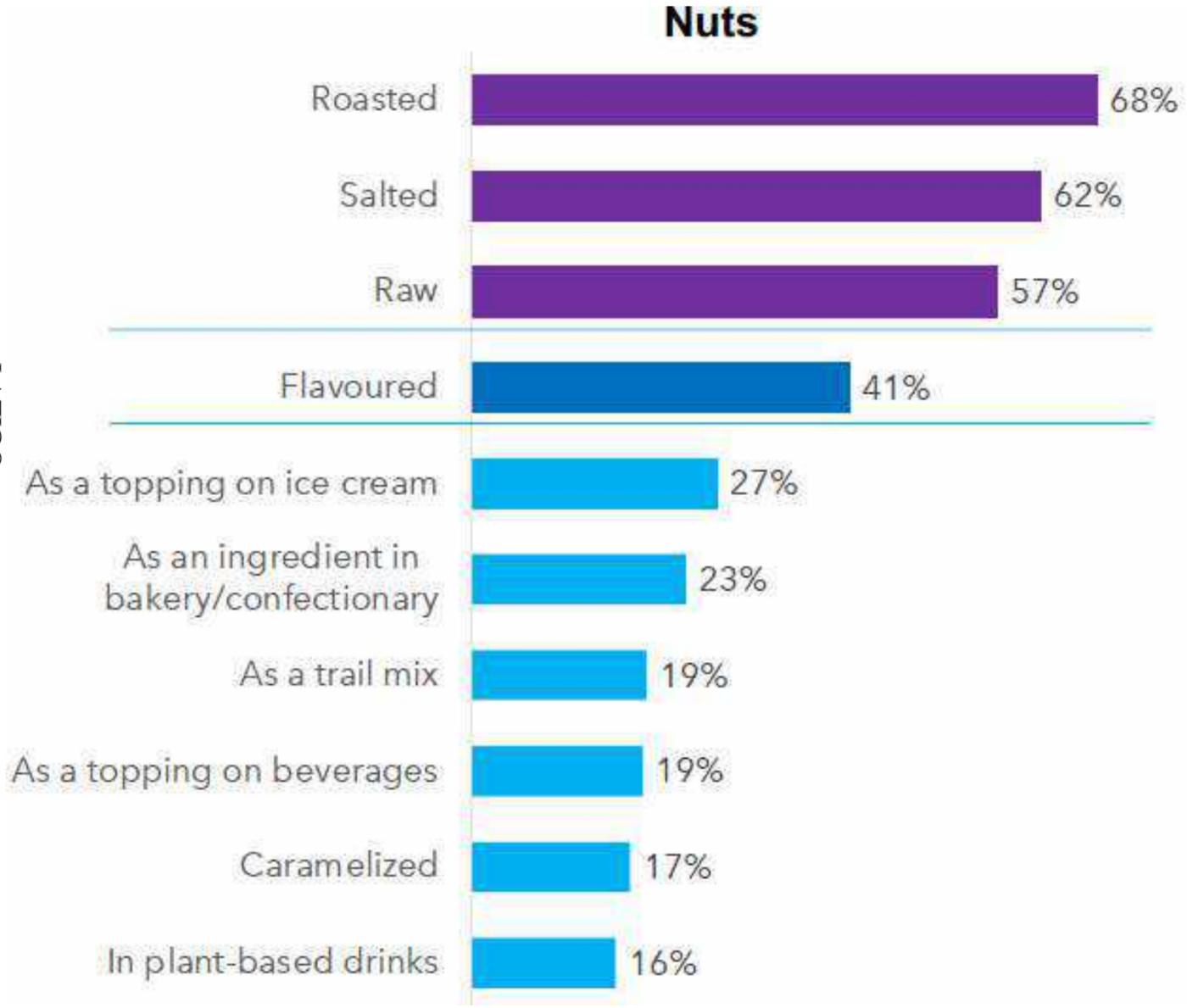
Opportunity for cross-selling / communicate combinations:



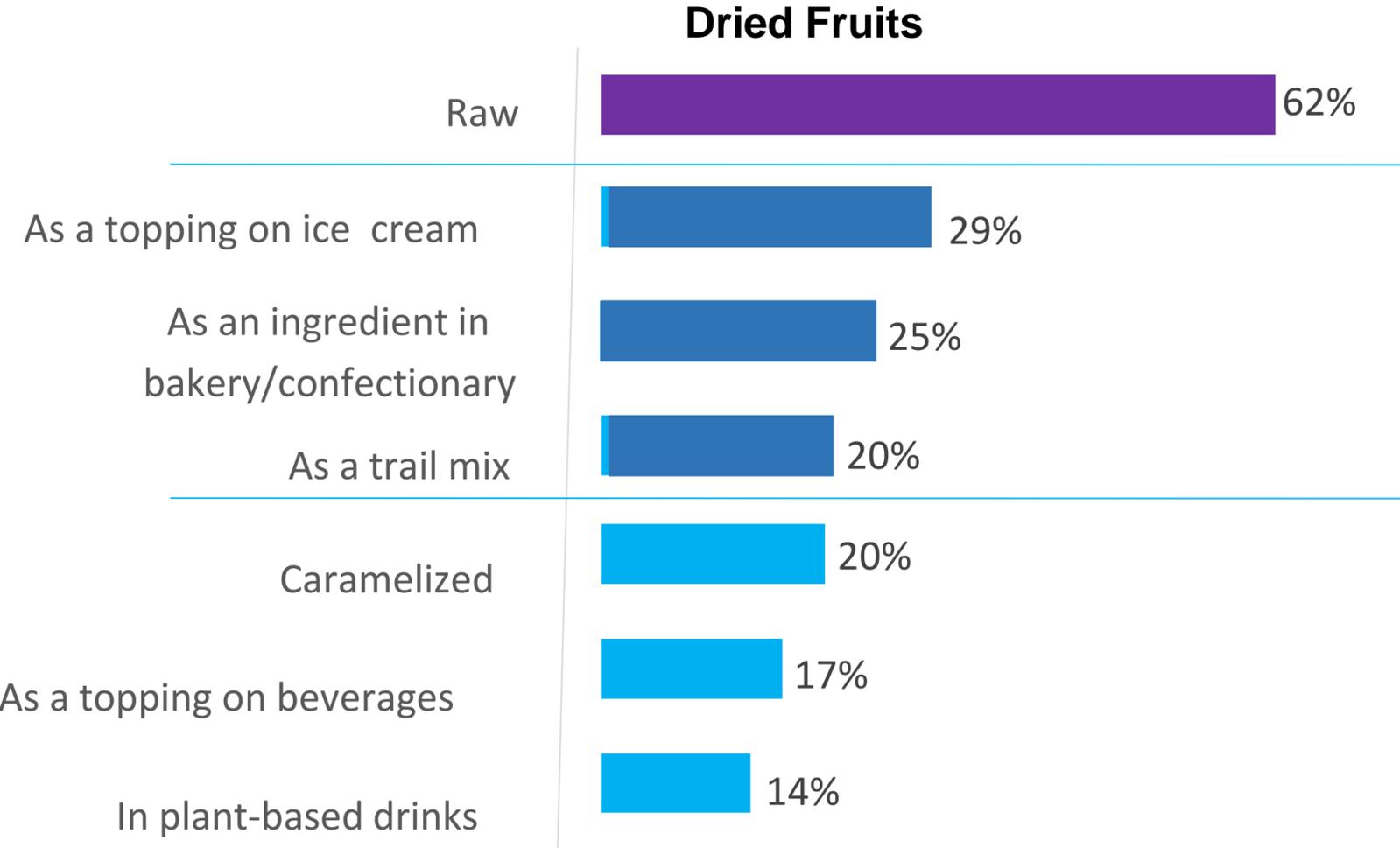
# CONSUMPTION OF NDFS WHEN SNACKING AMONG GEN Z IN INDIA



- More than **55%** of respondents consume nuts either roasted, salted or raw.
- **62%** consume their dried fruits raw.



Mean of mentions: **3.5 ways of consumption on average**



Mean of mentions: **3.3 ways of consumption on average**

# PROFILE OF THOSE WHO SNACK REGULARLY AMONG GEN Z IN INDIA



The opportunity for snacks is even greater among higher socioeconomic levels and those who are more interested in seeking healthy foods.

Income	Total	Snack regularly	Does not snack regularly
<i>Base</i>	796	748	48*
More than 300,000 INR	37	40 ↑	21
Less than 300,000 INR	45	44	56 ↑
Did not answer	17	16	23

Have a higher income compared to the group that does not snack regularly

RELEVANCE OF FOODS THAT...	Total	Snack regularly	Does not snack regularly
<i>Base</i> (% Extremely + very relevant)	796	748	48*
Give me energy	85	87	73 ↓
Are good for immunity	85	85	77 ↓
Are Rich in proteins	85	86	71 ↓

Are more interested in seeking healthy foods compared to the the group that does not snack regularly

OGILVY

22

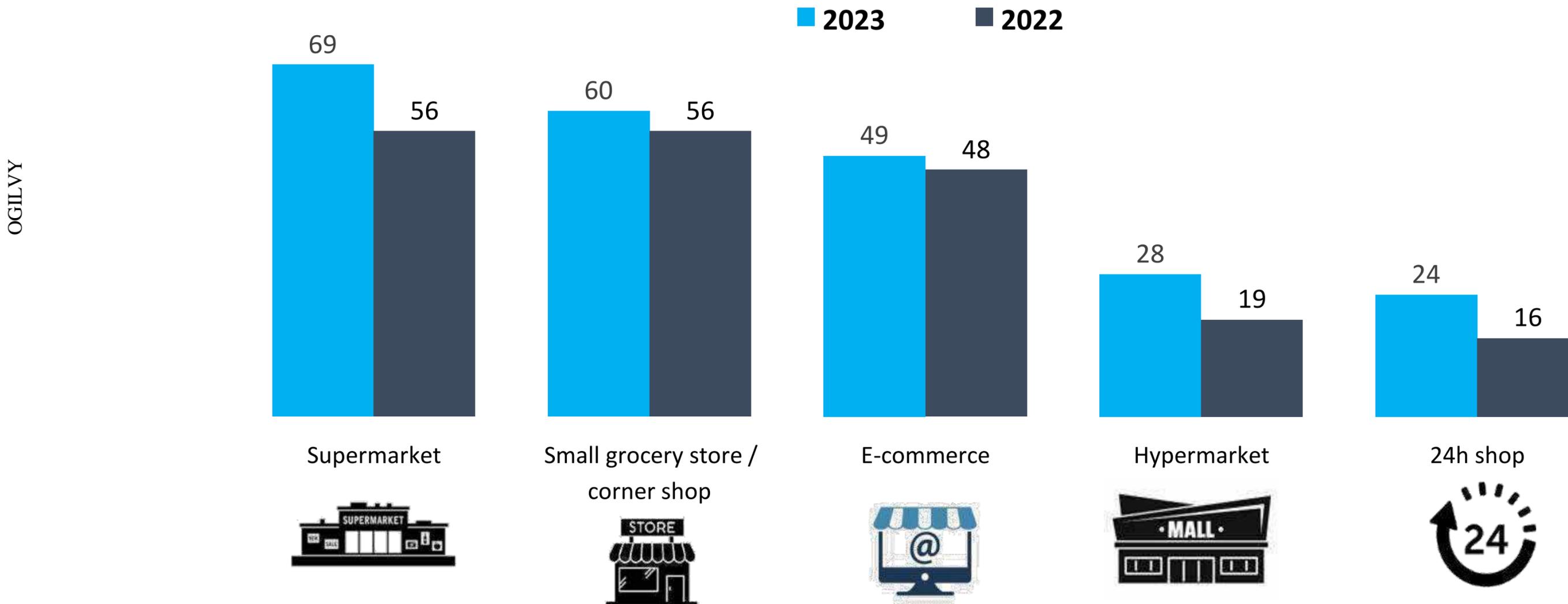
# Cultural Context Regarding Purchasing and Meals





# PURCHASE CHANNELS FOR BUYING NUTS AND DRIED FRUIT AMONG GEN Z IN INDIA

- N&DFs' main channel of purchase is the supermarket, followed by small groceries.
- The online channel increases slightly



24

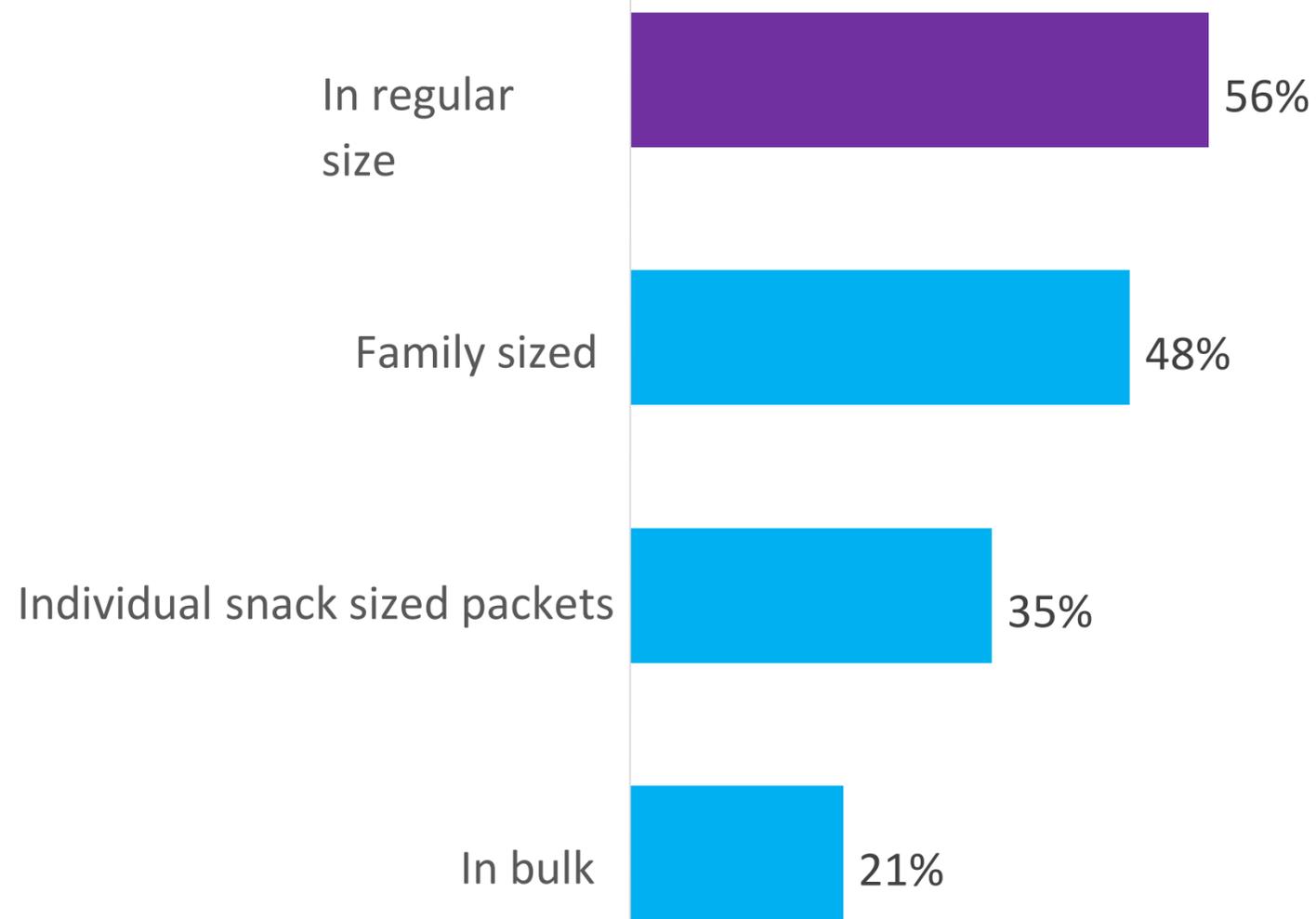
# FORMAT PURCHASED WHEN BUYING NUTS AND DRIED FRUITS AMONG GEN Z IN INDIA



- Regular Size comes out on top.
- Individual snack sized pack is on the rise.
- Family size is more relevant in the East side of India

**Format Purchased**

OGILVY

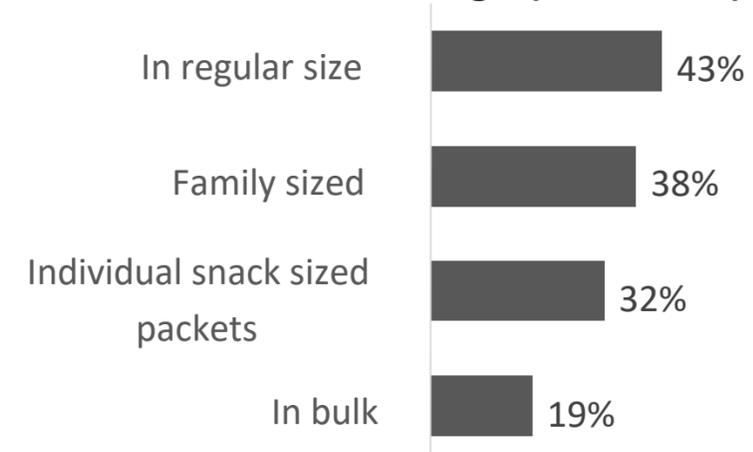


**By Regions**

	North	South	East	West	Central*
Regular	59%	48%	55%	57%	65%
Family	46%	45%	53%	51%	53%

25

**Format Purchased Among Those Who Snack On-the-go (Base= 269)**

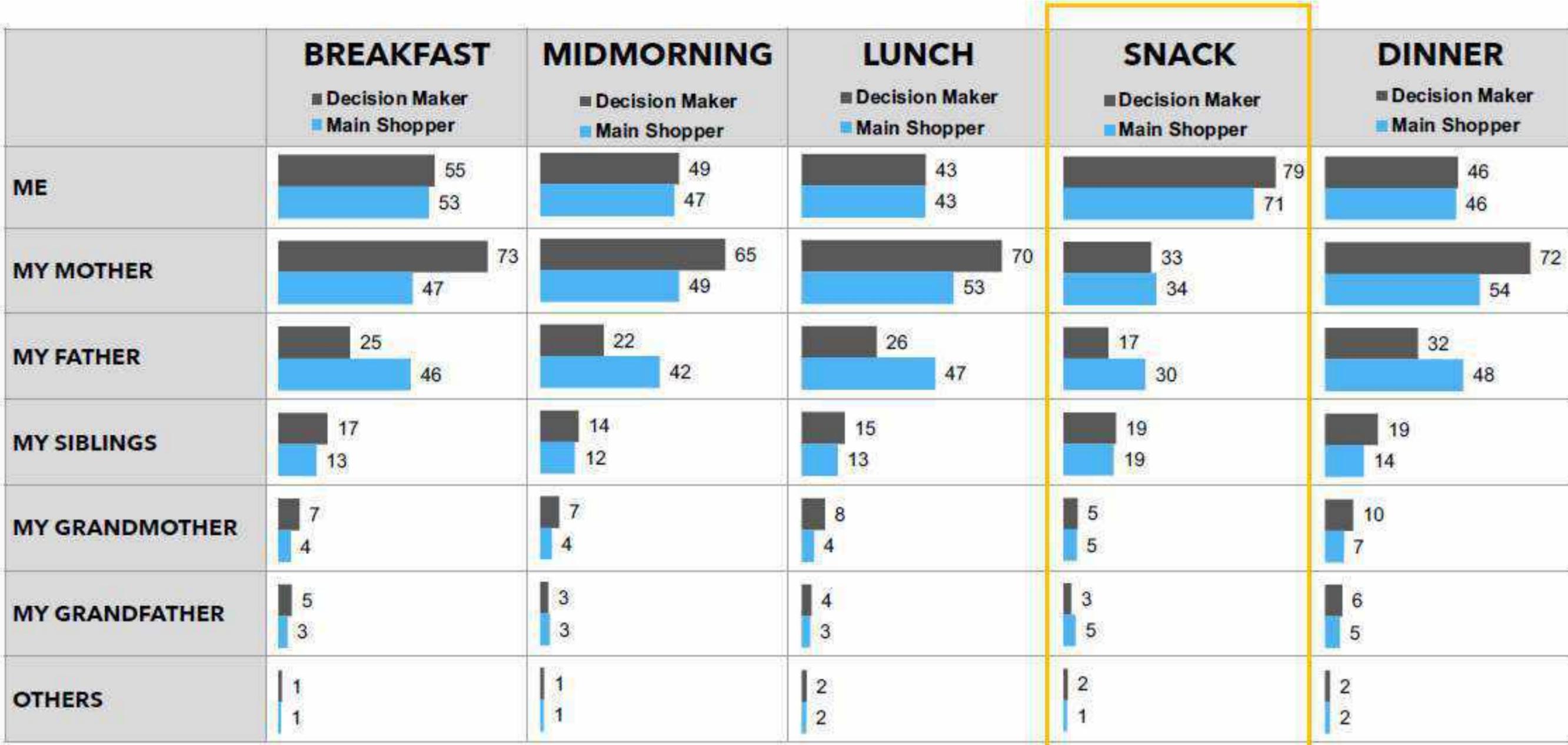


*Those who snack on-the-go show the same trend as the total sample when it comes to the format purchased*

# MEAL DECISION MAKER VS MAIN SHOPPER AMONG GEN Z IN INDIA



Gen Z decides and shops their own snacks. This result could be influenced by those who snack on-the-go, not only at home. The rest of the meals are mainly decided by the mother but shopped by different members of the family.



OGILVY

29

# Looking to the Future



# SUMMARY



INC

- Although there are challenges, there are opportunities for growth:
  - Flavoured nuts, nut-drinks and spreads and other **added-value products** saw an overall increase in demand.
  - Demand keeps growing under various forms in the emerging markets such as India and China
- **India and China:** huge expansion potential.
- **SE Asia and South America:** next places to target large and growing populations but require strong promotional campaigns.
- Key opportunity to create demand to Gen Z in India through snacking:
- Food that gives energy, immunity and proteins are the most important benefits to Gen Z in India.
- Our products must overcome two barriers to achieve greater consumption: they must be both tasty and affordable.
- Opportunity for cross-selling or promoting different combinations of products.