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About Segmentation



Segmentation Origins and Purpose

Segmentation involves clustering individuals by shared characteristics

First developed in private sector for three key purposes:

- 1. Prioritization niche, ease of engagement
- 2. Customization higher engagement, better subjective experiences and market expansion
- 3. Targeting efficiency in distribution and supply





DINK (Double/Dual Income, No Kids)

Both partners in a household earn an income and have no children. They tend to eshibit discretionary expenditure on laxury goods and entertainment, as well as dining out.

GLAM (Greying, Leisured and Moneyed)

Retired rich older people. They tend to exhibit higher spending on recreation, travel, and entertainment.



(American) Preppy

Well-educated, wealthy, upper-class young people. Often, graduates of expensive schools. They can be distinguished by a style of dress.



SITKOM (Single Income, Two Kids, Oppressive Mortgage)

They have very little discretionary income to spend and struggle to make ends meet.



YUPPY or YUPPIE (Young, Upwardly-Mobile Professional)

Well-educated and career-minded. They are ambitious and affluent. They also spend their money freely.

Activating Demand

Latent Demand

In contrast to the traditional demand generation approach which is heavy touch, a behavioral psychology-driven approach posits that demand isn't 'generated', but exists in the form of needs, preferences and tendencies of individuals, which can be converted into actual demand, given the right context and cues. We call this latent demand.

Self-Selected Attention

When the design of products, services and communications is aligned to the behavioral drivers and latent demand of the target population, they are intrinsically driven to engage with the product/service, without any external pushes or influences. This outcome is known as 'self-selected attention'.

Latent Demand

Assumed Demand for Vaccine

[X] is a dangerous disease,...

Vaccine can protect me from [X].....

Without serious side-effects.

Latent Demand for Vaccine

I want to follow the vaccination norm in my community

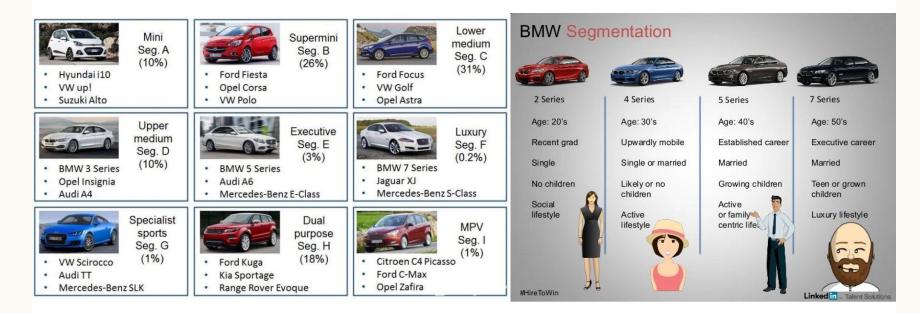
I am safe but I want to protect my vulnerable family members

Free vaccine must be low quality, I will go to a private clinic and get [Y] brand

I trust [Z] and they told me to get vaccinated

Latent demand is often non-conscious and inexplicit, therefore it has to be inferred and decoded

Self-Selected Attention



Diversity and variability of latent demand necessitates multiple, differentiated solutions for self-selected attention

Unique Benefits in Development Sector

When used in activating latent demand for public health and development programs, many of the benefits of this approach in private sector, like higher engagement and efficiency, translate well to the sector. Others, like prioritization, do not align with the needs of the sector.

Beyond its purpose in private sector, segmentation provides some unique benefits in the development sector.

- 1. More inclusive and equitable outcomes
- 2. Reduced externalities and collateral impact
- 3. Reduced resource and time requirements
- 4. Managing complexity
- 5. Universalization

Objectives and Methodology

Overall Project Objective

ldentify	Assess	Strategize	Co-develop	Support
Identify the conscious and non-conscious drivers of hesitancy or aversion towards COVID-19 vaccines and barriers to vaccine confidence and uptake.	Assess the prevalence and clustering of the drivers and barriers in different segments of the population, profiling those segments for effective and actionable solution-targeting.	Strategize on effective levers of behavior change to boost confidence in an willingness to receive COVID vaccines for each segment.	Co-develop segment-targeted solution concepts with governments, implementing partners and local stakeholders supporting vaccine demand and uptake.	Build guidance materials and tools to support implementers and public health authorities to comprehensively understand and use the segment profiles, solutions strategy, and

adapt and deploy localized interventions to address the barriers.

Project Process

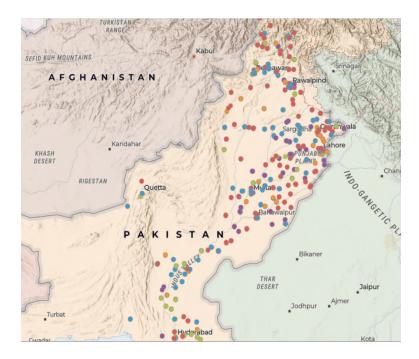
Psycho-behavioral segmentation enables us to identify the most vulnerable individuals, who they are, how they vary across key dimensions in order to better address their needs and mitigate risks, allowing for more actionable and relevant interventions and solutions.





Research Sample Overview

- The sample size in the **qualitative research** was 40 participants across various geographic and demographic criteria
- The sample size in the **quantitative research** was 3000 adult (18+) respondents in Pakistan.
- For the quantitative survey, the main sample was drawn from a probability-based stratified random cluster design.
- The sampling frame was a listing of micro-areas that provide comprehensive coverage of the entire country.
- Each micro-area served as a primary sampling unit (PSU). 300 PSUs were randomly selected with probability proportional to size (PPS) within urban/rural strata. Within each PSU, rapid household listings were conducted.
- Each selected PSU permitted random sampling of 10 households within each PSU.



Psycho-Behavioral Approach -

Stability, Scalability and Predictive Value

Typical KAP Surveys

- Based on self-reports of individuals' attitudes, beliefs, preferences and intentions
- Self-reports don't capture non-conscious tendencies, therefore insufficient for latent demand
- Attitudes and preferences are unstable and context dependent, therefore not predictive of real-world behavior
- Gives us the current preferences but not the strategies to change them

Psycho-Behavioral Survey

- Deconstruct decision-making, intent formation and preference construction
- Capture the components and processes
- Build a psycho-behavioral model to not only understand current preferences, but also predict preferences in other contexts
 - Future scenarios
 - Other geographies
 - Response to programmatic interventions

Quantitative Survey Design Overview



Screener

- Respondent age
- COVID beliefs
- Vaccination status

Ø **COVID** Risk

Appraisal

- Risk perceptions
- Testing experiences
- Sickness experiences
- Personal COVD impacts
- Disease comparison

₽₿ COVID

Vaccine **Experiences**

• When does received

- Vaccine intentions
- Vaccine experiences
- Vaccine safety
 - & efficacv perceptions
 - Vaccine emotions
 - Needle fear

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Other Enablers & **Barriers**

- Trust in authorities • Virus & vaccine
- myths & beliefs • Decision
- autonomy • Inertia &
- procrastination
- Vaccine benefits
- Process
- awareness
- Constraints & resources
- Sources of information

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General **Health Status** & Access

Overall health

- Doctor influence
- COVID
- symptoms Care seeking
- Access to care

Knowledge Quiz / Coping Actions

- Actions to protect against COVID
- Frequency of actions vs. 12 months ago

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Socio-demo graphics

- Household type
- Occupation
- Gender
- Education Religion

Data Collection

Sampling - Probability-based stratified random cluster design

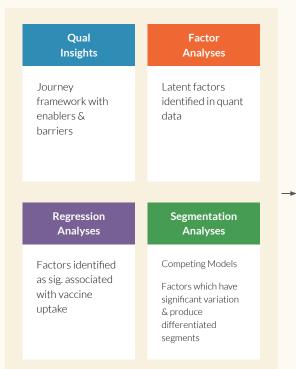
- 1. Randomized selection of primary sampling unit (PSU) with probability proportional to size within urban/rural strata
- 2. Random sampling of 10 households within each PSU
- 3. Random selection of adult household member to interview

Quality Control

- Screening and in-person training of moderators, including live pilots in the field
- Standardized surveys and tablet-assisted interviewing
- Audits data quality flags, audio backchecks, physical backchecks

Segmentation Modelling -

Semi-Supervised AI/ML-Driven Iterative Exploratory Approach



These segmentation variables were not "pre-determined"* The iterative analytic process and competing models identified them as existing in the data to use in a final model

Core Variables Used to Segment Across Countries

General variables

- Trust in government, health system
- Economic hardship
- Health system engagement

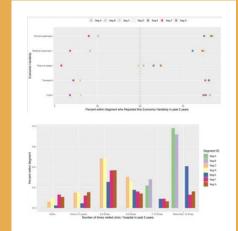
COVID specific variables

- COVID vaccinations rates for zero dose,
- one dose, 2 doses and booster shots
- COVID perceptions
- Risk appraisals
- COVID vaccine perceptions

* Predictive modeling using cluster segmentation is an iterative exploratory approach vs. a hypothesistesting approach to identifying and building actionable predictive models

Variables Used to Profile Segments

All variables in quant survey which show differentiation between segments, including outcome indicators



→

Segmentation Frameworks



Context Impacts the Decision Journey to COVID-19 Vaccine Uptake

The individual decision making journey exists within the larger dynamic context, which has a large impact on the cognitive appraisal of vaccine and decision and behavior for uptake.

The context impacting the COVID-19 vaccination uptake decision includes:

- The larger geopolitical context: international relations and perceptions, government stability, hierarchical structure
- The dynamic COVID context: COVID rates, COVID hospitalization and death rates, reinstatement of mask mandates, vaccine mandates
- The individual context, as COVID is more than a disease context, includes large lockdowns/restrictions and disruption to economic and social dimensions. These have a larger impact on the subsequent appraisals of:
 - The information and misinformation
 - Influencer landscape
 - Socio-Economic
 - Priors-trust in government and health systems, health system access

Individual Context

COVID Context

Geopolitical Context

Journey to COVID Vaccine Uptake Framework

The journey consists of decision stages through which an individual progresses in their effort to make a decision about uptake of COVID-19 vaccine. While certain enablers help individual progress froward in the journey, barriers that lead to unfavourable assessment of COVID-19 vaccine can deter them off the positive pathway and lead them to drop off the journey.

Internalization of COVID-19 Risk	Vaccine enters consideration set	Perceived need for vaccine	Acceptance of vaccine	Getting 1st vaccine jab	Complete COVID-19/boosters vaccine
COVID-19 Disease Appraisal What do I feel about the COVID-19 disease?	Coping with COVID How can I cope with the COVID-19 risk?	COVID-19 Vaccine Appraisal How do I feel about the COVID-19 Vaccine?	Coping with Vaccine Risk How can I cope with vaccine risk?	Vaccination Uptake How can I get this vaccine?	Vaccination Adherence Should I get the second dose?
Negligible COVID-19 risk Vaccine information and decision avoidance	Confidence in current mitigation measures Vaccine decision avoidance	Unfavorable vaccine appraisal and favorable status quo appraisal Selective engagement with information	Unfavorable vaccine and favorable status quo appraisal Procrastination and reappraisal	Ability/access gaps Inaction and rationalization	Lack of coping expectation discrepancy or poor intent Second dose avoidance



Enablers and Barriers in Vaccine Uptake Journey

Enablers:

Facilitate a person to move forward in their COVID-19 vaccine uptake journey through the different decision stages

Barriers:

Impede the forward movement of a person through the decision stages resulting in either regression to previous stage(s) or drop off from their COVID-19 vaccine uptake journey

	FOLLOWING CAB				
HIGH COVID RISK PERCEPTION	TRUST IN HCP				
ENGAGEMENT WITH THE HEALTH SYSTEM	NEED FOR VACCINE OVER CAB	VACCINE REWARD PERCEPTION	KEY INFLUENCER PUSHING VACCINATION		GOOD EXPERIENCE IN VACCINE CENTRE
HIGH PROXIMATE CASES	TESTING FOR COVID	BELIEF THAT VACCINE IS SAFE AND EFFECTIVE	HIGH SOCIAL PROOF	HIGH ACCESS TO VACCINES	LOW SIDE EFFECTS
COVID-19 DISEASE APPRAISAL	COPING WITH COVID	COVID-19 VACCINE APPRAISAL	COPING WITH VACCINE RISK	VACCINE UPTAKE	VACCINE ADHERENCE
LOW LIKELIHOOD OF DISEASE	HIGH COPING WITH CAB, NO NEED FOR VACCINE	BELIEF VACCINE IS UNSAFE FOR AT-RISK GROUPS	LOW SOCIAL PROOF	LOW PROCESS AWARENESS	BAD SIDE EFFECTS
DISTRUST IN THE SYSTEM		ENDORSEMENT OF VACCINE MYTHS	UNCERTAINTY AND HOT STATE HESITANCY	LOW DECISION AUTONOMY	
DECREASING RISK PERCEPTION		LOW UPTAKE OF ADULT VACCINES	NEEDLE FEAR	ACCESS GAPS	

Country Context and Segments

Pakistan

Geopolitical Context

- Distrust in Govt from 2022 Political instability
- Skeptical of Foreign influence
- Strict mandates in place
- Motivated negative information search leading
- to large impact of misinformation

COVID Context

- Higher relevance of covid due to high caseload during esp
 delta wave
- COVID not only a health risk, but more a socio-economic risk and disruption
- Belief that virus is getting weaker

COVID Vaccination Context

- Late-stages of its COVID vaccination campaign,Covid single dose vaccination rate
- of 63.1%
- Uptake has been driven by severity and strict enforcement of vaccine mandates and door-to-door vaccination camps
- High social proof in communities
- Vaccine are not safe for sickly, pregnant, breastfeeding mothers and children

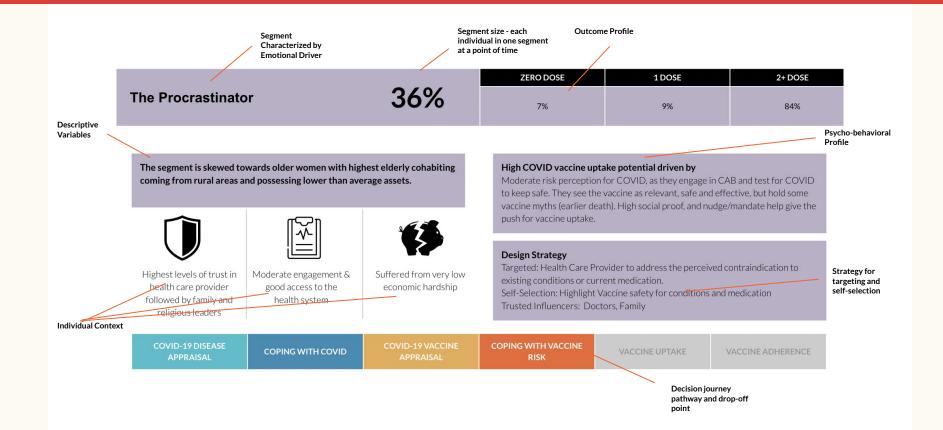
SEGMENT NAME	SEGMENT SIZE	ZERO DOSE	1 DOSE	2+ DOSE
The Hopeful	14%	4%	16%	80%
The Indifferent	24%	3%	14%	82%
The Procrastinator	36%	7%	9%	84%
The Skeptic	15%	40%	20%	41%
The Coerced	11%	11%	16%	73%

- High vaccine uptake rates across the majority of segments, with only one low uptake potential segment. We see more favorable opinions about COVID vaccines which might be partly due to post-choice rationalization of their decision to get vaccinated.
- We are seeing some signs of resentment among some segments which felt coerced into receiving COVID vaccine, which may lead to alienation from and distrust in health system and institutional actors, impacting engagement with other health programs in the future.



	SEGMENT NAME AND POPULATION SIZE							
The Hopeful 14%	The Indifferent 24%	The Procrastinator 36%	The Coerced 11%	The Skeptic 15%				
This segment consists of population skewed towards younger people with half of them speaking Punjabi. It largely consists of married people that suffered substantially from economic hardships. They trust HCPs, family and religious leaders more than the government.	This segment mostly consists of married men with more than half living in rural areas and that also suffered from health and economic problems. They have high trust and engagement with the health system & moderate trust in government.	The segment is skewed towards older women with highest elderly cohabitation. They mostly live in rural areas and possess lower than average assets. They have a lot of trust in the health system and moderate engagement with the same.	This segment comprises of the second youngest cohort, suffering from high self reported health issues and high economic hardships. Overall, they have ow trusting behaviors and low engagement with the health system.	This segment has the youngest people with a skew towards males. They have a high elderly family member cohabitation. They are the least trusting segments and believe that perverse incentives are involved with the government and health systems.				
		ZERO DOSAGE						
4%	3%	7%	40%	11%				

Understanding Segment Profiles



Example of Segment-Targeted Strategy

TOUCHPOINTS & INFLUENCERS

- Leverage high engagement with private healthcare system
- Trust in family along with doctors and religious leaders
- TV news is the key source, along with peers and family

TARGETED COMMUNICATION

Communication script:

[If already aware of a pre-existing condition, reference it here and use 'you'] It is a good idea to consult with your health care provider about the vaccine, especially when someone has a health condition like diabetes or high blood pressure. Someone with a condition like this may have heard about and are worried that the vaccine will interfere with their treatments or make their condition worse. But actually, it is really important that people with these conditions take the vaccine because unfortunately these people may experience really severe complications from COVID. It is almost more important for these people to take the COVID vaccine.

SELF SELECTED ATTENTION CAMPAIGNS

Framing:

Vaccine rewards- economic stability, travel and safety for pre-conditions

Illustrative Messaging:

It can not only help you get back to normal life but also help keep you safe.

Illustrative Creative:

Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms

SERVICE DELIVERY INTERVENTION

Protocol for doctors to inquire about COVID vaccination status and proactively provide a recommendation during other health visits. Can group COVID vaccine in with other routine vaccinations, lab work, etc.

Signage in health facilities - COVID vaccine is available here. Talk to your doctor now!

Detailed Segment Profiles





		ZERO DOSE	1 DOSE	2+ DOSE
The Hopeful	14%	4%	16%	80%

This segment consists of population skewed towards younger people with half of them speaking Punjabi. They suffered substantially from economic hardships and trust HCPs, family and religious leaders more than the government.







Suffer severe health issues & have high engagement and good access with the health system



Suffered from severe economic hardships during COVID & have h very low financial engagement

High COVID vaccine uptake potential driven by

High levels of trust in authorities and high information seeking behavior drives uptake. High risk perception and knowing more people that suffered from the disease might also be a contributor. Suffering from great economic distress during the last two years, the desire to seek normalcy also likely to be driving uptake.

Design Strategy

Targeted: At health facilities address concerns about vaccine side, and frame benefits in terms of return to normal Self-Selection: Relief from economic hardship framing Trusted Influencers: Doctors, Family, Religious leaders, Government

	39366111	Chgagement			
COVID-19 DISEASE APPRAISAL	COPING WITH COVID	COVID-19 VACCINE APPRAISAL	COPING WITH VACCINE RISK	VACCINE UPTAKE	VACCINE ADHERENCE



Design Strategy for The Hopeful

TOUCHPOINTS & INFLUENCERS

- Leverage high engagement with healthcare system
- Trust in government, family and religious leaders for information
- TV News and religious leaders are the key sources

TARGETED COMMUNICATION

Communication script:

"Side effects can be a big concern for people when they are trying to decide whether to take the COVID vaccine or not. Here are some of the common side effects you might experience [share side effects ie fatigue, slight fever]. You can help with these side effects by [simple coping mechanisms ie pain reliever, extra rest]. If you are one of the few who experiences something like [more severe side effects], please come back or give me a call and we will address this. Do you have any questions about the vaccine?"

SELF SELECTED ATTENTION CAMPAIGNS

Framing:

Relief from economic hardship

Illustrative Messaging:

It not only protects you and your family, it can help you get back to normal life

Illustrative Creative:

Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms

SERVICE DELIVERY INTERVENTION

Protocol for doctors to inquire about COVID vaccination status and proactively provide a recommendation during other health visits. Can group COVID vaccine in with other routine vaccinations, lab work, etc.

Signage in health facilities - COVID vaccine is available here. Talk to your doctor now!



			ZERO DOSE	1 DOSE	2+ DOSE
The Indifferent		24%	3%	14%	82%
This segment mostly consist areas and that also suffered		•	Moderate risk perception safety and efficacy. High	take potential driven by h for the disease and favorable social proof of vaccine uptake mic hardships which led them	in the community. They
High institutional trust in health system and moderate trust in government	Very high engagement with private health system with majority suffering from health problems.	High economic hardships during COVID	0	inated populations experience ed vaccination rewards - cont tor, Family	
COVID-19 DISEASE APPRAISAL	COPING WITH COVID	COVID-19 VACCINE APPRAISAL	COPING WITH VACCINE RISK	VACCINE UPTAKE	VACCINE ADHERENCE



Design Strategy for The Indifferent

TOUCHPOINTS & INFLUENCERS

- Leverage high engagement with private healthcare system
- Trust in doctors and family for information
- TV news is the key source

TARGETED COMMUNICATION

Communication script:

"A lot of people in your community have already taken the COVID vaccine and have benefited substantially. hey may have had minimal side effects like feeling tired or a slight fever [change with what has been observed], but in the long run, the vaccine protects us against the severe illness from COVID. So we won't have to miss out on several days of work or worry about hospitalization. Getting vaccinated is another way to take care of our families and our community. "

SELF SELECTED ATTENTION CAMPAIGNS

Framing:

Vaccine rewards- economic stability, travel and control

Illustrative Messaging:

It can not only help you get back to normal life but also help keep you safe.

Illustrative Creative:

Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms

SERVICE DELIVERY INTERVENTION

Protocol for doctors to inquire about COVID vaccination status and proactively provide a recommendation during other health visits. Can group COVID vaccine in with other routine vaccinations, lab work, etc.

Signage in health facilities - COVID vaccine is available here. Talk to your doctor now!



		ZERO DOSE	1 DOSE	2+ DOSE
The Procrastinator	36%	7%	9%	84%

The segment is skewed towards older women with highest elderly cohabiting coming from rural areas and possessing lower than average assets.





Highest levels of trust in health care provider followed by family and religious leaders

Moderate engagement & good access to the health system



Suffered from very low economic hardship

High COVID vaccine uptake potential driven by

Moderate risk perception for COVID, as they engage in CAB and test for COVID to keep safe. They see the vaccine as relevant, safe and effective, but hold some vaccine myths (earlier death). High social proof, and nudge/mandate help give the push for vaccine uptake.

Design Strategy

Targeted: Health Care Provider to address the perceived contraindication to existing conditions or current medication. Self-Selection: Highlight Vaccine safety for conditions and medication Trusted Influencers: Doctors, Family

COVID-19 DISEASE APPRAISAL	COPING WITH COVID	COVID-19 VACCINE APPRAISAL	COPING WITH VACCINE RISK	VACCINE UPTAKE	VACCINE ADHERENCE
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Design Strategy for The Procrastinator

TOUCHPOINTS & INFLUENCERS

- Leverage high engagement with private healthcare system
- Trust in doctors and family for information
- TV news is the key source

TARGETED COMMUNICATION

Communication script:

[If already aware of a pre-existing condition, reference it here and use 'you'] It is a good idea to consult with your health care provider about the vaccine, especially when someone has a health condition like diabetes or high blood pressure. Someone with a condition like this may have heard about and are worried that the vaccine will interfere with their treatments or make their condition worse. But actually, it is really important that people with these conditions take the vaccine because unfortunately these people may experience really severe complications from COVID. It is almost more important for these people to take the COVID vaccine.

SELF SELECTED ATTENTION CAMPAIGNS

Framing:

Vaccine rewards- economic stability, travel and safety for pre-conditions

Illustrative Messaging:

It can not only help you get back to normal life but also help keep you safe.

Illustrative Creative:

Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms

SERVICE DELIVERY INTERVENTION

Protocol for doctors to inquire about COVID vaccination status and proactively provide a recommendation during other health visits. Can group COVID vaccine in with other routine vaccinations, lab work, etc.

Signage in health facilities - COVID vaccine is available here. Talk to your doctor now!



			ZERO DOSE	1 DOSE	2+ DOSE
The Coerced		11%	11%	16%	73%
The segment is the second	youngest group between 26	-35 followed by 18-25	Given their concerns abo rate to be much lower th	ine uptake potential driven b but vaccine safety, one would e an where it stands currently. H	expect their vaccination High levels of distrust, along
		\$	points towards the role of surrogacy in their vaccin	es in social groups and low rep of mandates, coercion, social p e uptake	,
Low trust in government, community leaders and friends.	Suffer from high self reported health issues & have very low engagement with the health system	Suffered from high economic hardships during COVID & are amongst the least employed	Design Strategy Targeted: In health facilities, acknowledge the vaccine safety concerns, debunk and inform Self-Selection: Vaccine rewards framed as low economic hardship and return to normal Trusted Influencers: Family		
COVID-19 DISEASE APPRAISAL	COPING WITH COVID	COVID-19 VACCINE APPRAISAL	COPING WITH VACCINE RISK	VACCINE UPTAKE	VACCINE ADHERENCE



Design Strategy for The Coerced

TOUCHPOINTS & INFLUENCERS

- Leverage high engagement with private healthcare system
- Trust in family along with doctors and religious leaders
- TV news is the key source, along with peers and family

TARGETED COMMUNICATION

Communication script:

People have concerns about the safety of the COVID vaccine and that is natural. It is a new vaccine and it has been difficult living in a pandemic.

Can you let me know what concerns you have about the vaccine? [Address any of these concerns, explaining in terms easy to understand. Be certain to listen for and debunk any misinformation about the vaccine, that they may share]

SELF SELECTED ATTENTION CAMPAIGNS

Framing:

Vaccine rewards- economic stability, return to normal

Illustrative Messaging:

It can not only help you get back to normal life but also help keep you safe.

Illustrative Creative:

Young group showing vaccination card and smiling in a place of work

SERVICE DELIVERY INTERVENTION

Protocol for doctors to inquire about COVID vaccination status and proactively provide a recommendation during other health visits. Can group COVID vaccine in with other routine vaccinations, lab work, etc.

Signage in health facilities - COVID vaccine is available here. Talk to your doctor now!



		ZERO DOSE	1 DOSE	2+ DOSE
The Skeptic	15%	40%	20%	41%

The segment has the youngest cohort skewed towards men with high cohabitation with elderly family members.



and health system

Least trusting segment with belief that perverse incentives are involved in the government



Suffer from low self reported health issues & have a high to moderate engagement with the health system



Moderate economic hardship with lower than average asset ownership

Low COVID vaccine uptake potential driven by

A distrust of information sources/influencers outside their social group is likely the key barrier that leads to them doubting COVID risk and vaccine safety. Lack of social proof of vaccine is likely to contribute to a sense of safety in status quo.

Design Strategy

Targeted: Indirect targeting by building capacity of vaccinated population to have conversations with strong ties Self-Selection: Vaccination as a community behavior, and reinforce decision autonomy Trusted influencers: Family

COVID-19 DISEASE APPRAISAL	COPING WITH COVID	COVID-19 VACCINE APPRAISAL	COPING WITH VACCINE RISK	VACCINE UPTAKE	VACCINE ADHERENCE
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Design Strategy for The Skeptic

TOUCHPOINTS & INFLUENCERS

- Leverage high engagement with private healthcare system
- Trust in family along with doctors and religious leaders
- TV news is the key source, along with peers and family

TARGETED COMMUNICATION

Communication script:

[If already aware of a pre-existing condition, reference it here and use 'you'] It is a good idea to consult with your health care provider about the vaccine, especially when someone has a health condition like diabetes or high blood pressure. Someone with a condition like this may have heard about and are worried that the vaccine will interfere with their treatments or make their condition worse. But actually, it is really important that people with these conditions take the vaccine because unfortunately these people may experience really severe complications from COVID. It is almost more important for these people to take the COVID vaccine.

SELF SELECTED ATTENTION CAMPAIGNS

Framing:

Vaccine rewards- economic stability, travel and safety for pre-conditions

Illustrative Messaging:

It can not only help you get back to normal life but also help keep you safe.

Illustrative Creative:

Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms

SERVICE DELIVERY INTERVENTION

Protocol for doctors to inquire about COVID vaccination status and proactively provide a recommendation during other health visits. Can group COVID vaccine in with other routine vaccinations, lab work, etc.

Signage in health facilities - COVID vaccine is available here. Talk to your doctor now!

Using Segmentation



How to Use Segmentation – **Customizing and Targeting**

Targeting Clusters and Individuals

Descriptive **demographic**, **geospatial and behavioral variables** associated with the segments can be used to target clusters with a dominant segment profile. Segment-specific information channels and influencers can be used for targeted communication.

Descriptive variables and psycho-graphic methods are used to create simple **segment typing tools** that can be used at point of service delivery to identify an individual's segment profile based on their responses and tailor delivery based on the profile. The typing tool can also be used to conduct **mini-surveys** to build segment distribution at hyperlocal level.



How to Use Segmentation – **Customizing and Targeting**

ILLUSTRATIVE TYPING TOOL

Short, simple **questionnaire** and response-based **classification tree** to identify the segment profile of individuals

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Q1 Economic hardship: In the last 2 years, Did you have difficulty paying for food, shelter, healthcare, education, transport?

Q2 Health system engagement: In the last 5 years how many times have you visited a clinic or doctor?

Q3 COVID myth endorsement: Choose the statements about COVID you believe to be true.

Q4 Institutional trust: Do you trust government and doctors as sources of information for COVID?

	Yes	No	Not sure	Once in 5 years
Food	0	0	0	2-4 times 5-6 times
Transport	0	0	0	7-10 times
Place to sleep	0	0	0	More than 10 times
Medical expenses	0	0	0	
School expenses	0	0	0	

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ach statemer t. Please ansv	nt, tell me wheth wer with yes or	ner you agree no.	C01_2. Do you trust the following sources for Corona a lot, a little o	g information or not at all	
			Doctors / health experts		
s	No	Not sure	Trust a little		
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How to Use Segmentation – **Example of Customized Communication at Point of Service Delivery**

Typing Tool Script

"Hello, I'd like to take a few minutes of your time to learn more about you so that I can provide you with some information about the COVID-19 vaccine that could be relevant for you.

To begin, could you share how many times you have visited a doctor or clinic within the last five years?

The past few years have been difficult for a lot of us with COVID. Could you tell me a little bit about your experience over the last two years? **Did you have any difficulty paying for your basic needs?**

Thank you for sharing. We have received a lot of information about COVID from many sources. Now if you could think about government and doctors as sources of information for COVID, do you trust them a little, a lot or not at all?

Thank you. Finally, could you let me know which of the following statements about COVID you agree with? [read through the four statements] "

Segment: Anxious

Customized Communication

"Thank you again for your time and answering my questions. I'd like to talk to you about the COVID vaccine. Can you tell me a little bit about your thoughts about the COVID vaccine?

A lot of people have concerns about the safety of the COVID vaccine and that is natural. It is a new vaccine and it has been difficult living in a pandemic. Can you let me know what concerns you have about the vaccine?

[Address any of these concerns, explaining in terms easy to understand. Be certain to listen for and address any misinformation about the vaccine, especially side effects, that they may share]

Thank you for letting me share a bit about the COVID vaccine. Do you have any questions for me?"



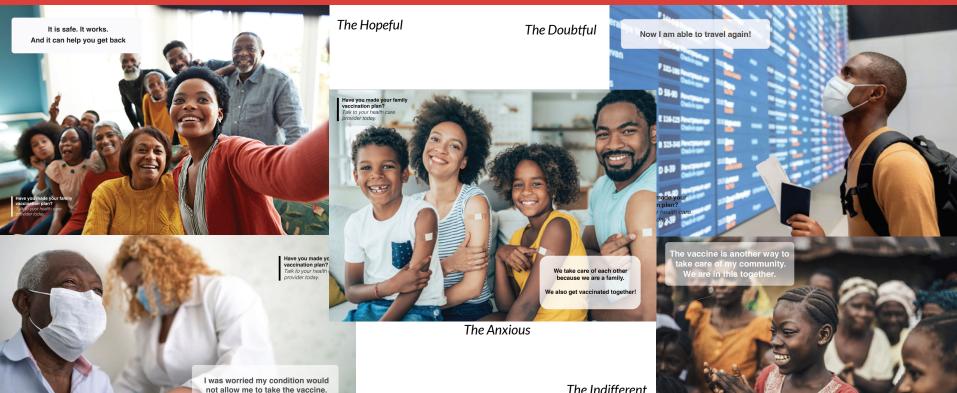
Note: Details for other segments in next section

How to Use Segmentation – Self-Selected Attention

TARGET	SEGMENTS	MESSAGING	IMAGE
Relief from economic hardship	The Hopeful	It not only protects you and your family, it can help you get back to normal life	Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms
Vaccine rewards- economic stability, travel and control	The Indifferent	It can not only help you get back to normal life but also help keep you safe.	Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms
Vaccine rewards- economic stability, travel and safety for pre-conditions	The Procrastinator	It can not only help you get back to normal life but also help keep you safe.	Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms
Vaccine rewards- economic stability, return to normal	The Coerced	It can not only help you get back to normal life but also help keep you safe.	Young group showing vaccination card and smiling in a place of work
Vaccine rewards- economic stability, travel and safety for pre-conditions	The Skeptic	It can not only help you get back to normal life but also help keep you safe.	Group of people (family, community) standing together in their community smiling. Could be showing bandaids on arms

How to Use Segmentation -

Self-Selected Attention



Not allow me to take the vaccine. Now I know that I need the vaccine protection the most. The Relieved The Indifferent The Skeptic The Distrustful

How to Use Segmentation -

Service Delivery Design

Where and how to deliver services and incentives

At health facilities

- Integrate with routine health services
- Leverage provider interactions

In public spaces

- Travel-related touchpoints
- Educational and professional spaces
- Community spaces
- Recreational spaces
- Champions and advocates

Mandates and incentives

- Travel mandates
- Workplace mandates
- Economic incentives

How to Use Segmentation -

Segmentation-Led Prioritization

Prioritization Factors	High Intrinsic Potential Segments The Hopeful	High Extrinsic Potential Segments The Procrastinator, The indifferent	Moderately Extrinsic Potential Segments The Coerced	Low Intrinsic Potential Segments The Skeptic
Impact	Moderate impact as they are a high uptake potential segment	Moderate impact as they are a high uptake potential segment	High impact as they are a moderate uptake potential segment	Highest impact as they are the lowest uptake potential segment
Behavioral Barrier Type	There is a need to push uptake to resolve the hot state hesitancy and drive adherence for all. As vaccines are relevant, this is relatively easier barrier to overcome.	While the vaccine is considered safe, there is a need to drive risk internalization and urgency for all and to reframe vaccine (reward framing) to drive urgency. This is a moderately hard barrier to overcome.	While this is a moderate uptake potential segment, there is a low belief in the vaccine, it is essential to solve for this; reframing vaccine relevance is crucial.	Since risk internalisation is extremely low for this segment, it is essential to solve for this; reframing vaccine relevance is crucial.
Perceived Access Barrier	Low-Moderate Not at all difficult to access the vaccine Lower registration process awareness	Low Easily able to access the vaccine Higher registration process awareness	High Lower awareness about vaccine sites and registration process Relatively difficult to get the vaccine	High Lower awareness about vaccine sites and registration process
Implication on Other Programs	Low implications	Moderate Implications	High Implications - growing distrust and alienation with the health system due to coercive measures	High Implications - high resistance to engagement with health system and services and low trust
Health System Reach	Easier to reach Easy to access vaccines but lower registration awareness. High trust in government and health experts.	Hard to reach Lower access contrasted with highest engagement with health system. Highest trust in government and health experts	Hard to reach Difficult to access to the vaccine and low process awareness. Low health system engagement and low trust in doctors.	Harder to reach Low health system engagement and lowest trust in government and health system workers.

For More Information:

Saransh Sharma saransh.sharma@thefinalmile.com

Ram Prasad ram.prasad@thefinalmile.com

