Knowledge, Attitude, and Practices (KAP) of face mask usage among the residents of Kannur District, Kerala, November 2021

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• Face masks in public places \rightarrow mitigation strategy in COVID-19 pandemic

Cross-sectional survey | November 2021 | Kannur, Kerala, India

Knowledge, attitude, and practices (KAP) of adults towards face mask

>90% of study population - Knowledge, attitude & practice of mask use





Coronavirus disease (COVID-19) - ongoing pandemic



Universal Masking ightarrow non-pharmaceutical intervention in COVID-19

Government of Kerala mandated mask usage in public places



Little known about public compliance to mask wearing behaviors



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Objective

KAP of face mask usage among the residents of Kannur District, Kerala, Nov 2021



Describe the knowledge, attitude, practices (KAP) of face mask usage among the residents of Kannur District, Kerala, November 2021



Design, Setting & Study Population

KAP of face mask usage among the residents of Kannur District, Kerala, Nov 2021



Study Design

Cross-sectional descriptive



Study Population Residents of age \geq 18 years



Study Period

November 2021



Sample size and sampling

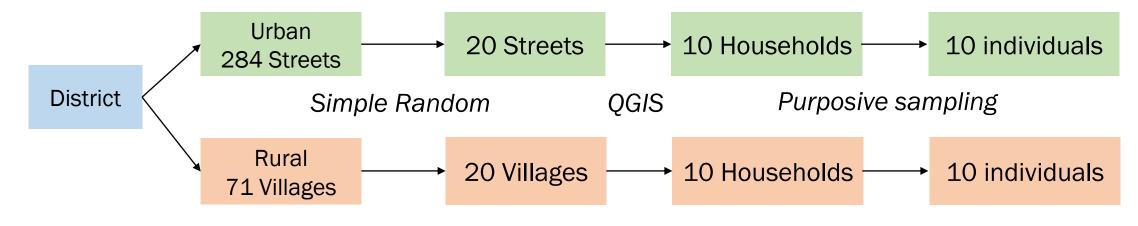
KAP of face mask usage among the residents of Kannur District, Kerala, Nov 2021



Sample size

- 70% population awareness of appropriate mask use
- 10% absolute precision, 95% confidence level
- 20% non-response rate and with a design effect of 2

Sample Size 198 per setting



Data Collection methods & Data Analysis

KAP of face mask usage among the residents of Kannur District, Kerala, Nov 2021

- 20 trained Data Collectors \rightarrow Interview
- Semi-structured data collection \rightarrow Open Data Kit (ODK)
- Data was analysed using Epi-info ver 7.2
- Complex Sample Frequencies \rightarrow Presented the results as percentages



>75%	Good
50 - 74	Fair
1 - 49	Can improve



Sociodemographic profile of the study participants (N=400)

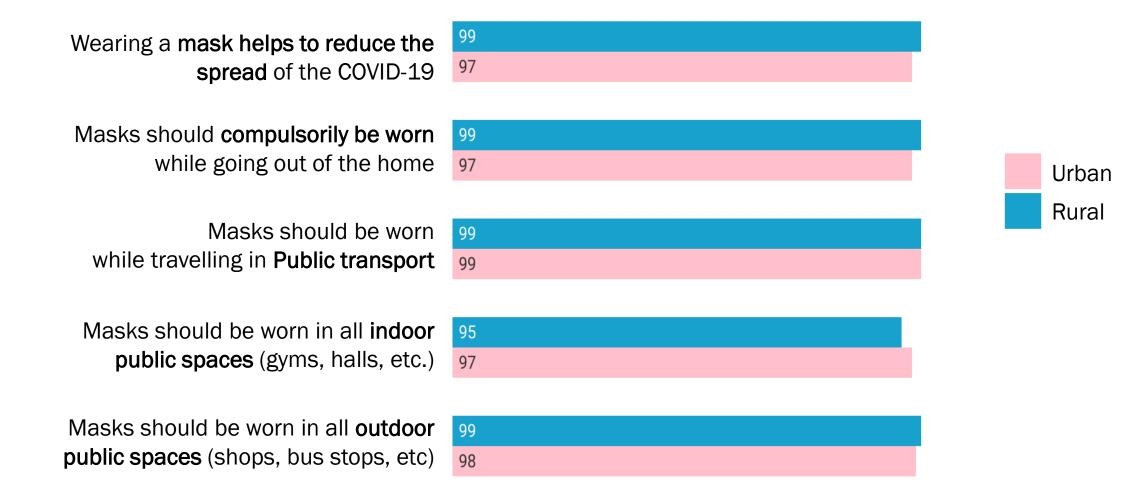
KAP of face mask usage among the residents of Kannur District, Kerala, Nov 2021

Characteristics		Rural (n=200)		Urban(n=200)	
		#	%	#	%
Gender	Male	80	40	88	44
	Female	120	60	112	57
Age Category	18 - 30	40	20	34	16
	31 - 50	92	46	108	54
	51 & above	68	35	58	29
Education	Graduate & above	58	29	44	22
	Secondary school	70	35	82	41
	Primary school	68	34	72	36
	No education	4	2	2	1



Knowledge about face mask usage

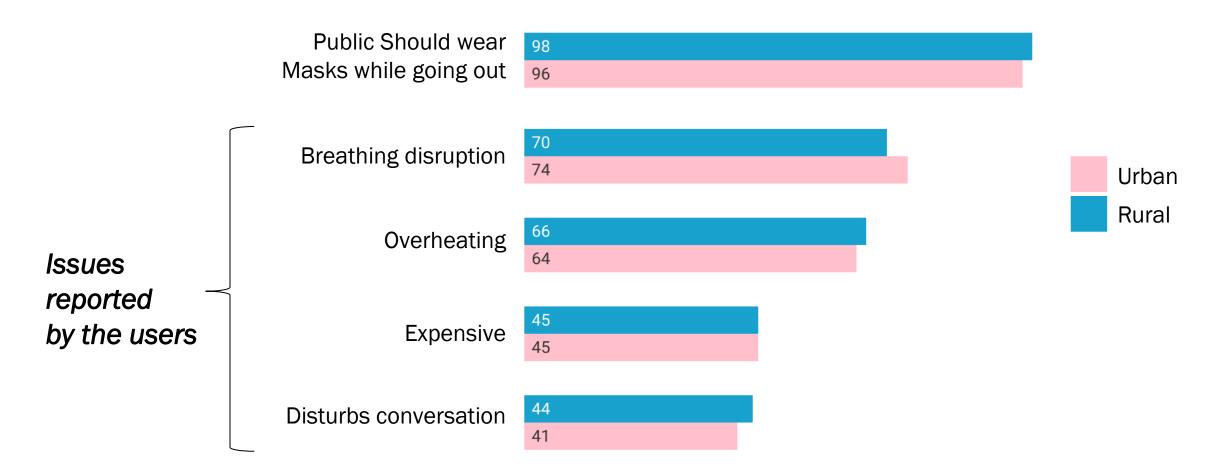
KAP of face mask usage among the residents of Kannur District, Kerala, 2021 (N=400)





Attitude towards face mask usage

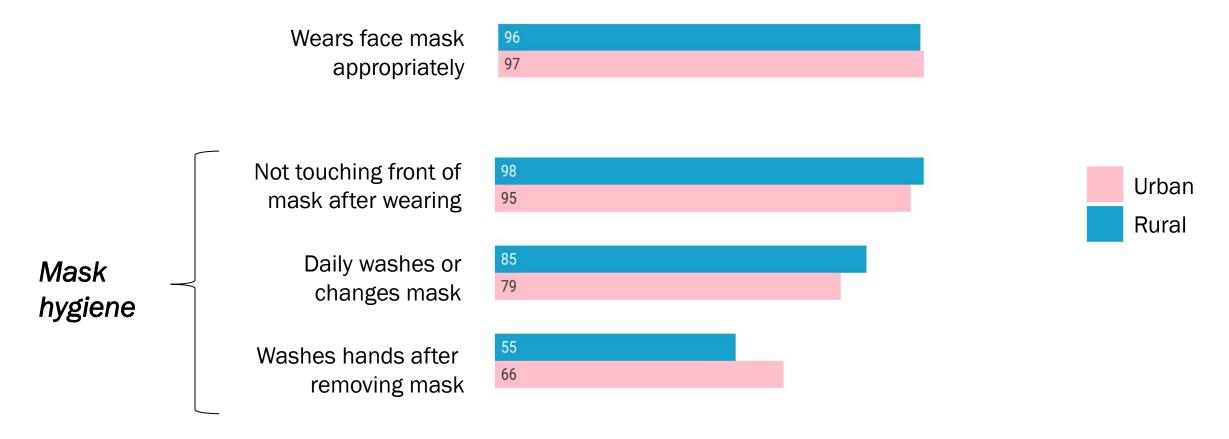
KAP of face mask usage among the residents of Kannur District, Kerala, 2021 (N=400)





Practice of face mask usage

KAP of face mask usage among the residents of Kannur District, Kerala, 2021 (N=400)





• Knowledge \rightarrow Good in both urban and rural

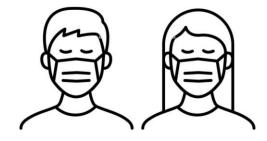
Attitude towards mask-wearing was good

• Issues reported by user \rightarrow Disruption to breathing, and Overheating

• Practice \rightarrow Good in both urban and rural



- To continue the usage of face masks in public and workplaces during the pandemic period
- Innovative awareness campaigns to improve the attitude of the public to the issues raised



 Adapt similar surveillance activities in pandemic situations in future



- Results \rightarrow District Administration
- Improve the attitude of the public \rightarrow Social media campaigns



THANK YOU!

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