



MAHATMA GANDHI MISSION

MGM Institute of Physiotherapy

Aurangabad - 431 003, Maharashtra - India

Affiliated to MUHS, Nashik

www.mgmiop.edu.in





MGM

Health, Environment
& Social Index survey

@ Ellora
REPORT

Published by
Department of Community Physiotherapy



मेरा जीवन ही मेरा संदेश है।

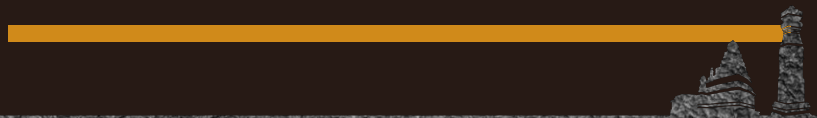
मोहनदास करमचंद गांधी
१८६९-१९४८

M Gandhi

The best way to find yourself is to lose yourself in the service of others
- Mahatama Gandhi

Mahatma Gandhi Mission

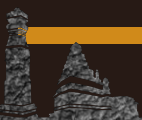
MGM - Aurangabad has been recognized as one of the prestigious and premier educational institution in Maharashtra. MGM has blazed a trail of academic excellence and their alumni success stories across the globe is a real testimonial. The vision of MGM has always been futuristic with the Gandhian ideology of serving all the sections of society and reaching the unreached. In the incredible journey of forty years, MGM always strives hard to empower the people and all its stakeholders in all its endeavors to make them self-reliant and self-content. The core activity of MGM revolves around Education, Healthcare, Research, Cultural heritage, Social service, Environment, Gandhian Philosophy, and wellness & sports.



MGM

Institute of Physiotherapy

MGM Institute of Physiotherapy under the aegis of Mahatma Gandhi Mission is offering phenomenal physiotherapy and rehabilitation services in a holistic, comprehensive and scientific approach to the patients. MGM Institute of Physiotherapy is striving hard to create an inclusive society where the skills and talents of special individuals are empowered and recognized in the society. MGM Institute of Physiotherapy is affiliated to Maharashtra University of Health Sciences (MUHS), Nashik. The institute offers undergraduate, postgraduate, doctoral courses in Physiotherapy. The institute is attached with MGM Medical College & Hospital and MGM MCRI to impart quality clinical training to the students. MGM Institute of Physiotherapy has one of the most sophisticated physiotherapy departments in entire Marathwada region with advanced therapeutic equipments and machines in their Musculoskeletal, Neurology, Cardiorespiratory, Community, and Sports physiotherapy departments.





MGM PHYSIOTHERAPY REHABILITATION & FITNESS CENTRE

MERAKI
Health & Wellbeing
MGM Health Services Centre (Lany Club)

ADMISSION OPEN

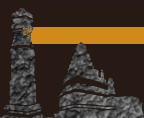
Department of Community Physiotherapy

The department of Community Physiotherapy strives to promote the health and wellbeing of the common public through health promotion, health awareness education, and physiotherapeutic strategies to prevent diseases / disorders in the community. The department offers postgraduate degree in Master of Community Physiotherapy affiliated to Maharashtra University of Health Sciences, Nashik. The core focus of the department is on the domains of women's health, geriatrics and industrial health. The department is equipped with sophisticated physiotherapy equipments for comprehensive assessment and scientific & holistic intervention.

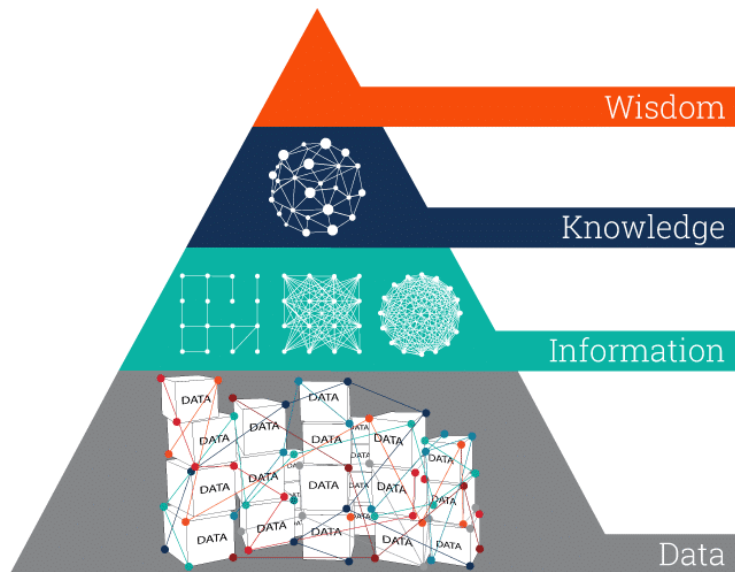
The department focuses mainly on providing outreach activities by organizing health care camps, health promotion sessions, health awareness education sessions, commemorating International / National health days to provide empirical knowledge to the undergraduate and postgraduate physiotherapy students. The department also has a collaboration with department of Geriatric Medicine, Government Medical College & Hospital, Auranagabad for providing hands-on training to our students.

Departmental Objectives

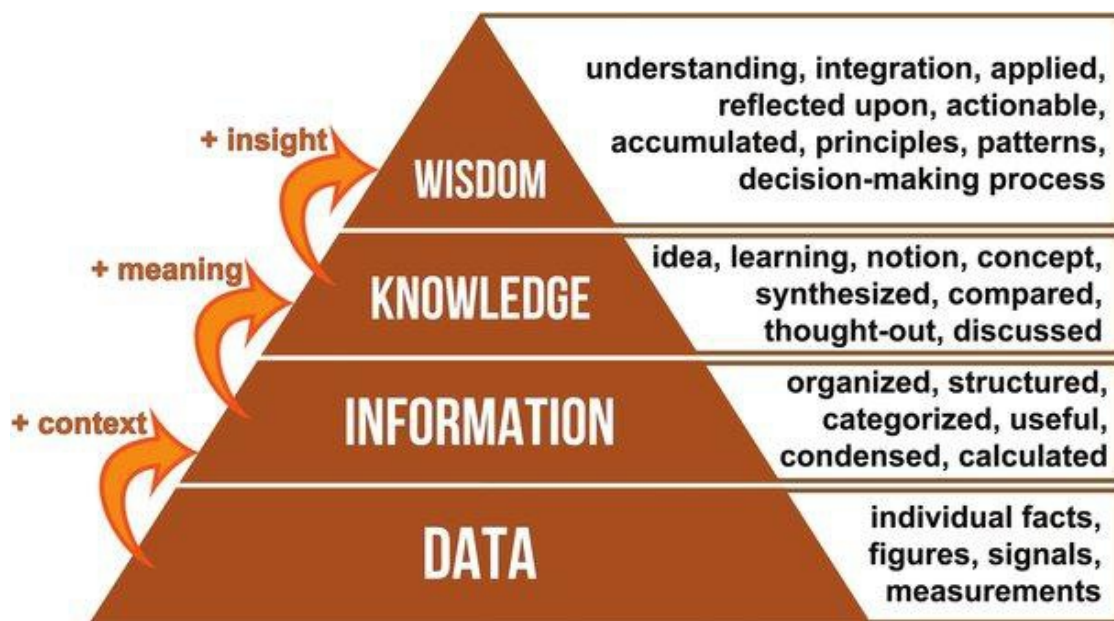
- To train the students in community oriented approach with the ability to identify, prioritize, and manage the health problems
- To make the students to understand the concept of primary care – preventive, promotive, and curative care in the community
- To render physiotherapy and rehabilitation services in the core areas of women's' health, geriatrics and industrial therapy
- To undertake research on major thrust areas of public health issues in the community
- To educate the students to be socially responsible by organizing outreach activities in the community



DIKW Pyramid



Each step up the pyramid answers questions about and adds value to the initial data.



PREAMBLE

The department of Community Physiotherapy conducted a health demographic survey in part of Ellora village. We formulated MGM HESI (Mahatma Gandhi Mission Health, Environment and Social Indices) questionnaire and the data was collected using EPICOLLECT 5 app.

The report of survey findings were presented to Ellora Gram panchayath administration for needful action. This report was presented to the regional Cardio Vascular Health Officer (CVHO) – India Hypertension Control Initiative of WHO, Kolhapur division for needful action. This document consists of the detailed MGM HESI survey report conducted by Department of Community Physiotherapy.

27th to 29th
September 2021
(The Peak Monsoon Season)





03 Days

24 Survey Experts

261 Families

1343 Common Public



MGM HESI Survey

PG Residents, Interns

Final Year BPTTh Students of MGMIOP

Faculty Lead - Dr. Sheetal Swamy

Faculty Coordinator - Dr. Sanskruti Tahakik

Dept of Community Physiotherapy





Objectives



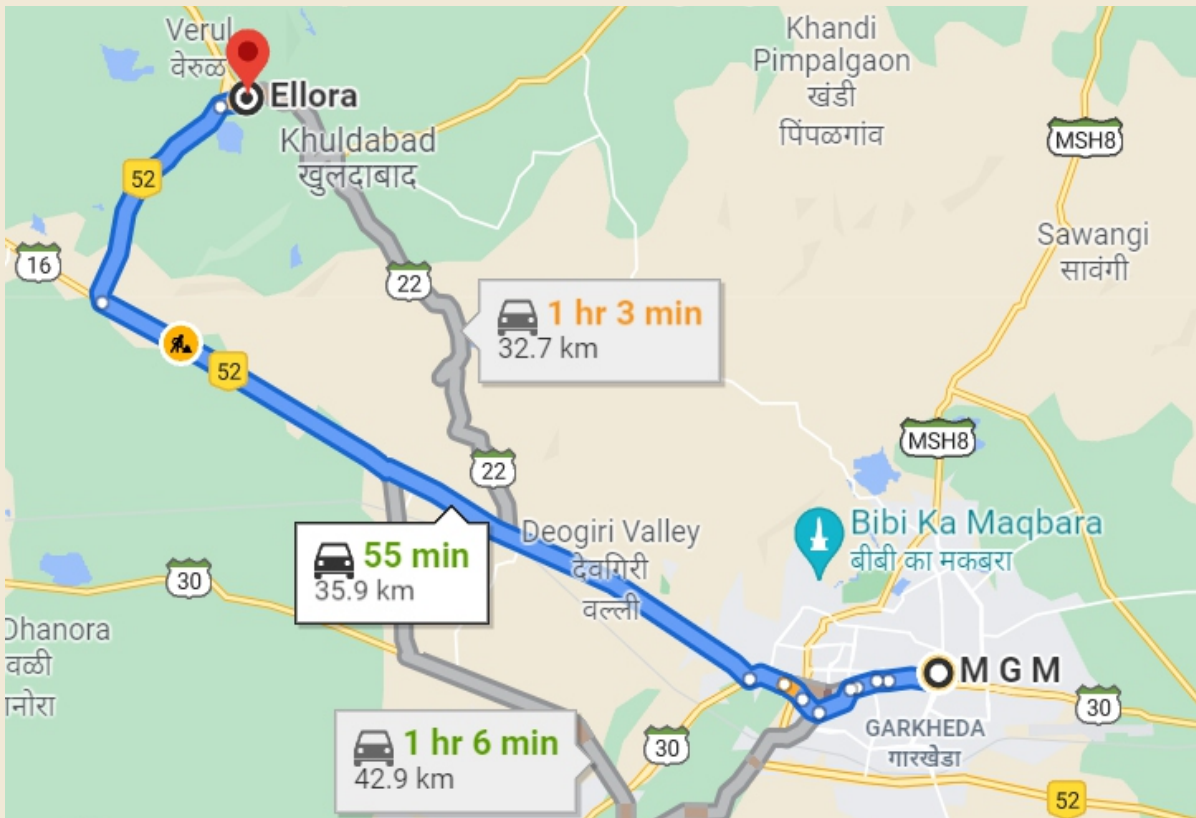
Understand the relationship between health status and health care utilization

Understand the determinants of health

Reaching the unreached Bridging the gap

Interpret the health, Environment, Social & Demographic indices in rural community

Ellora/Verul is a Village in Khultabad Taluka, Aurangabad District.
MGM Campus - Ellora : 32 kms



Graam Panchyat

UNESCO World heritage site

ASI & MTDC influence in development

Tourist zone & Village zone

Govt School - 01 (Till class 4)

Private schools - 05 (Till class 10)

Junior colleges - 02 (Private)



One PHC & 04 Subcentres

Private Clinics/Nursing Homes - 05

Ration Shop PDS - 06

Water Supply - Mategaon Dam

Open Drainage & Public Toilets - 05



Our

Reports Section

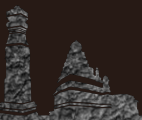
Demography

Health

Socioeconomic status

Environmental

Access to health care



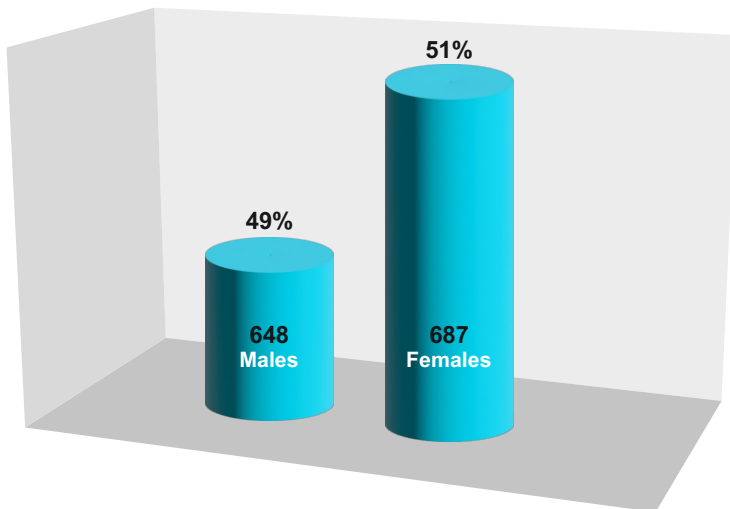
DEMOGRAPHY

Demography - Outline

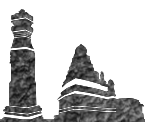
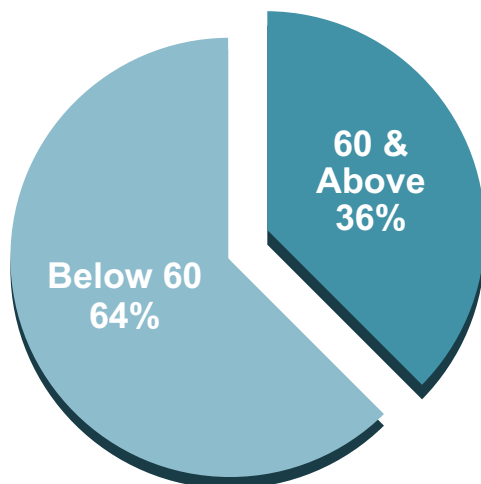
- 261 Families
- 1343 Population



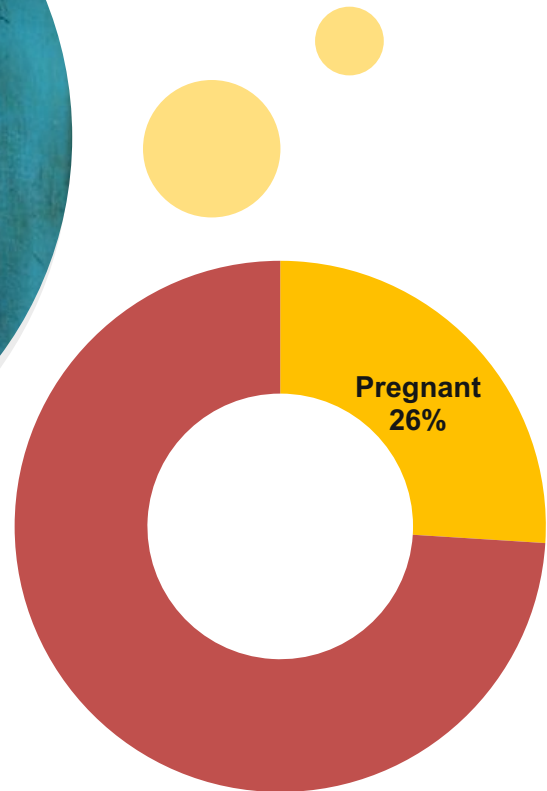
Gender Ratio



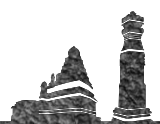
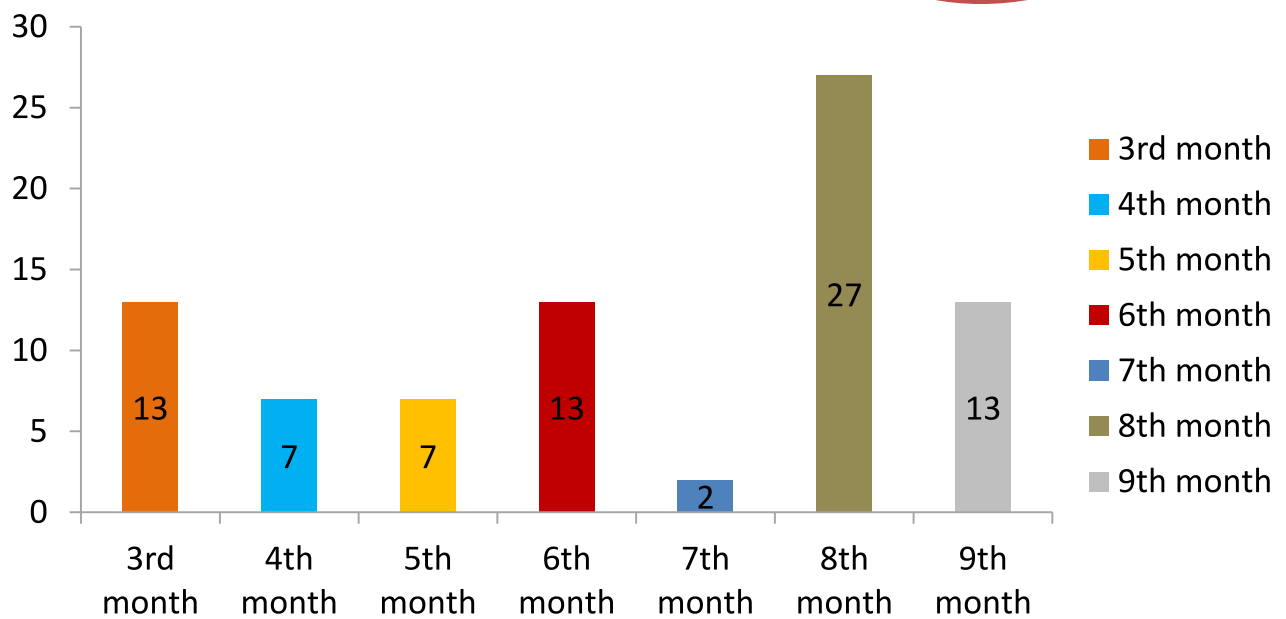
Geriatric Population



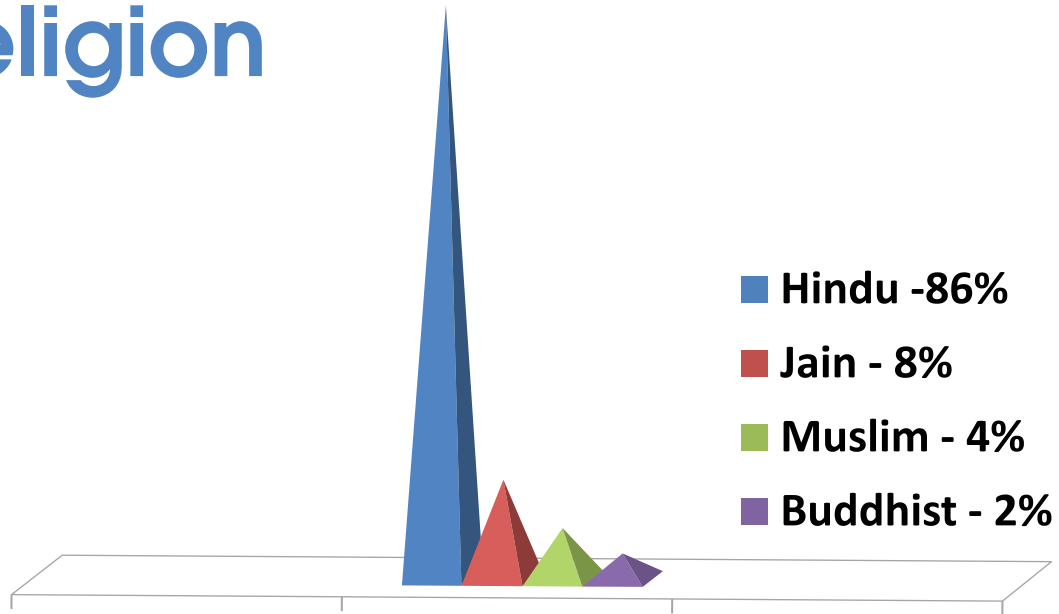
Pregnant Females



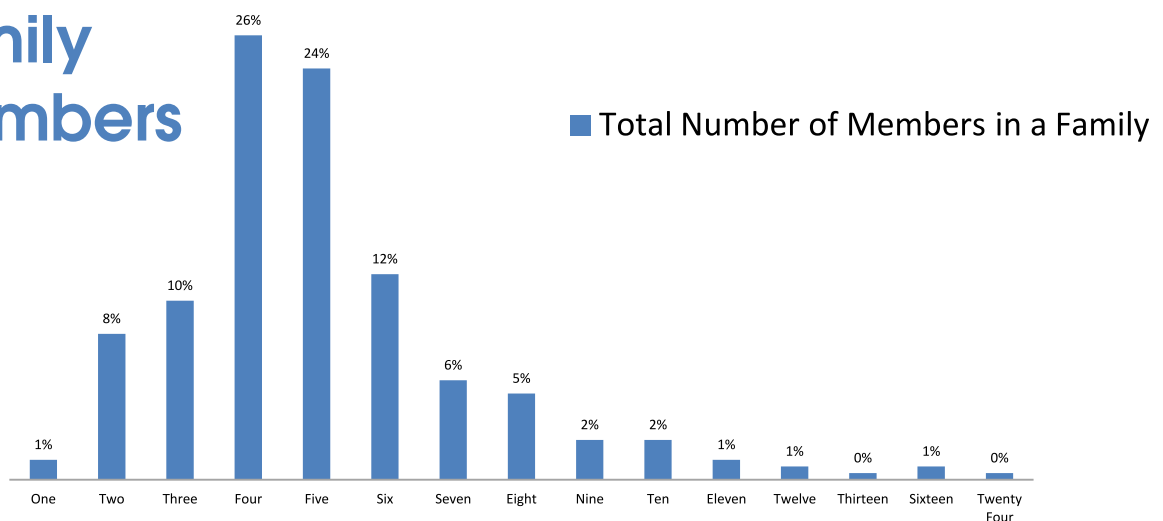
Pregnancy Months



Religion



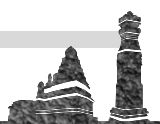
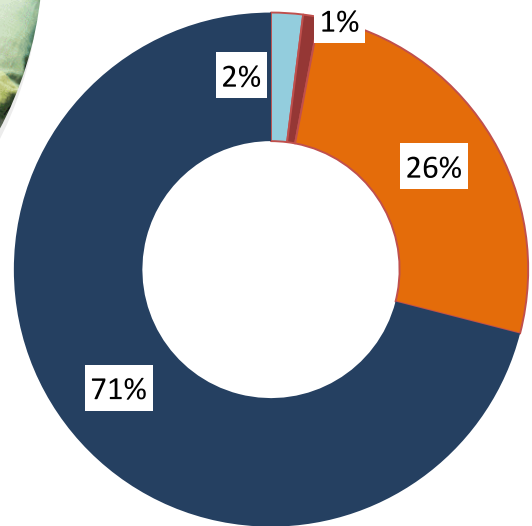
Family Members



Type of Family



- 3-generation
- Extended family
- Joint family
- Nuclear family



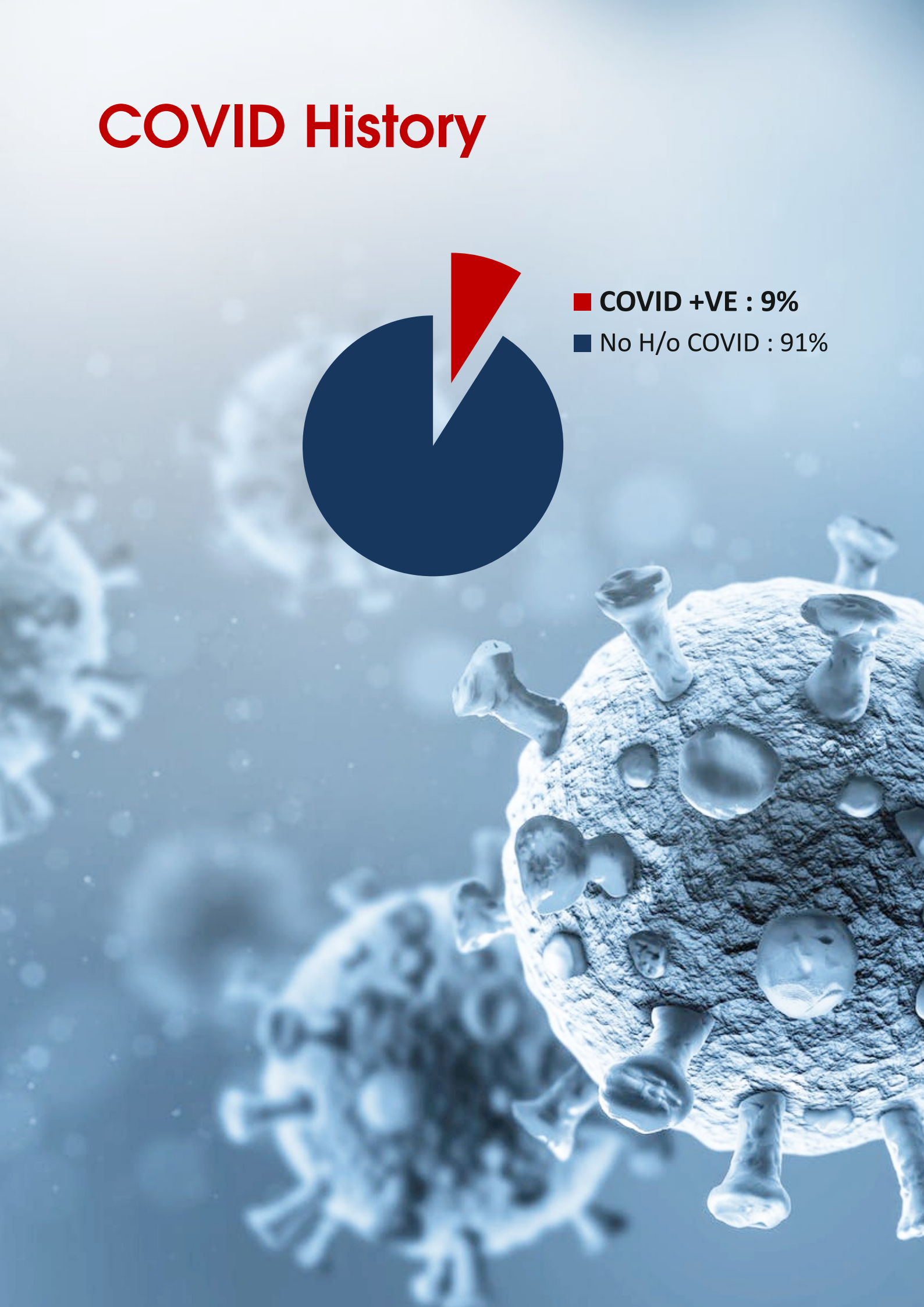


COVID History

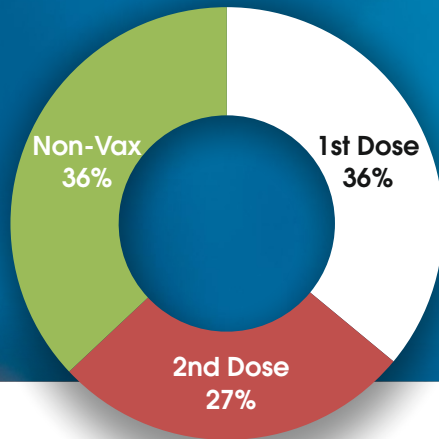


■ COVID +VE : 9%

■ No H/o COVID : 91%

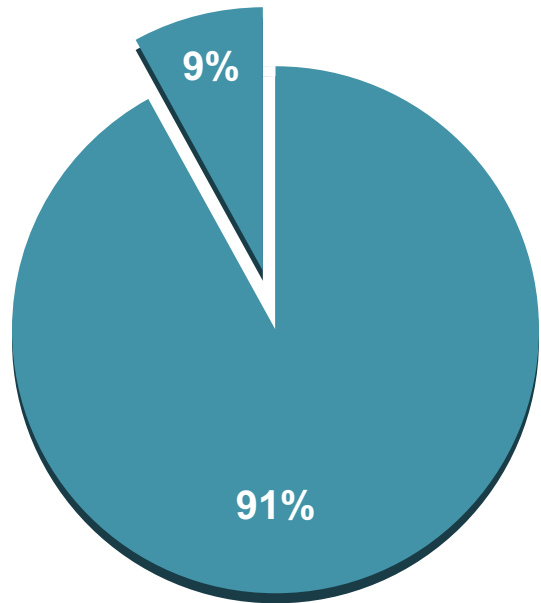


COVID Vaccination

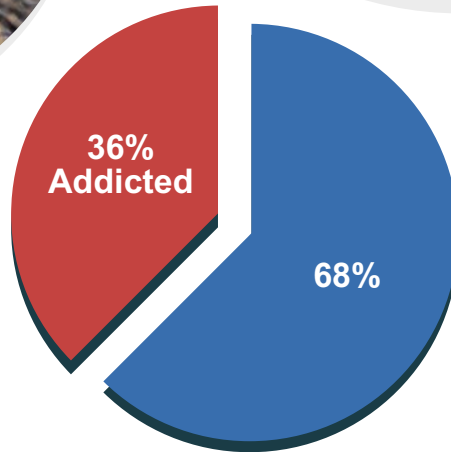


Data as on - 28th September 2021

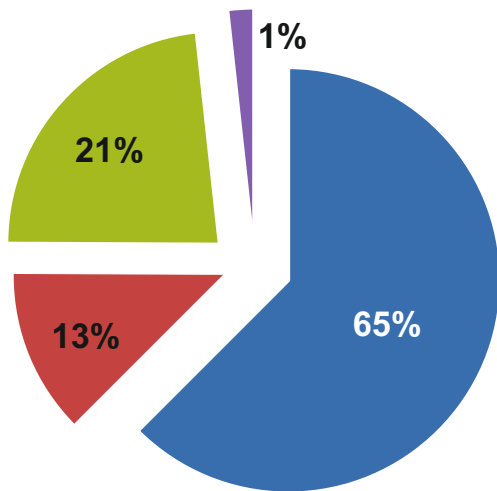
Disability Ratio



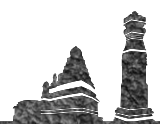
People with Addiction



Type of Addiction

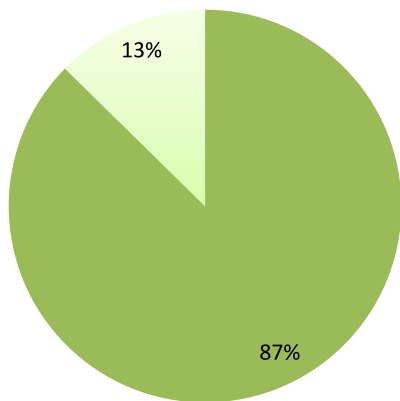


■ Tobacco ■ Smoking ■ Alcohol ■ Betel leaf

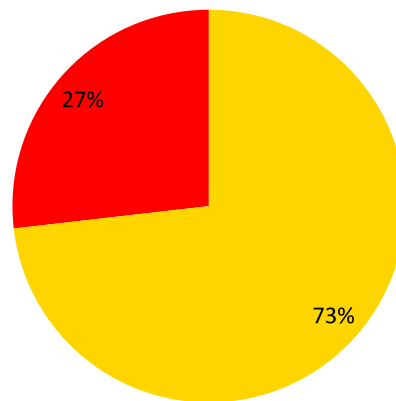


Co-morbidities

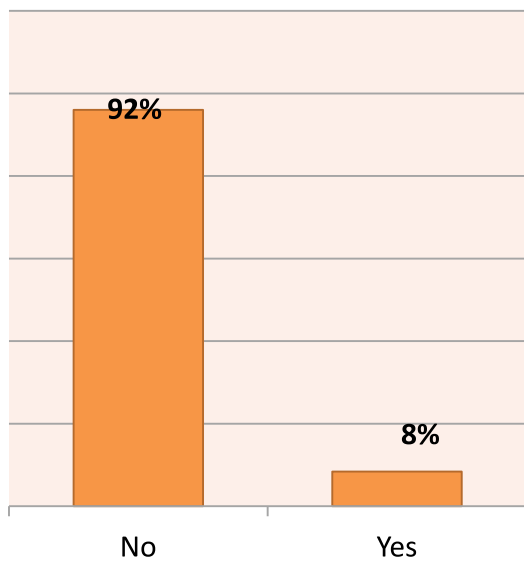
People with Diabetes mellitus



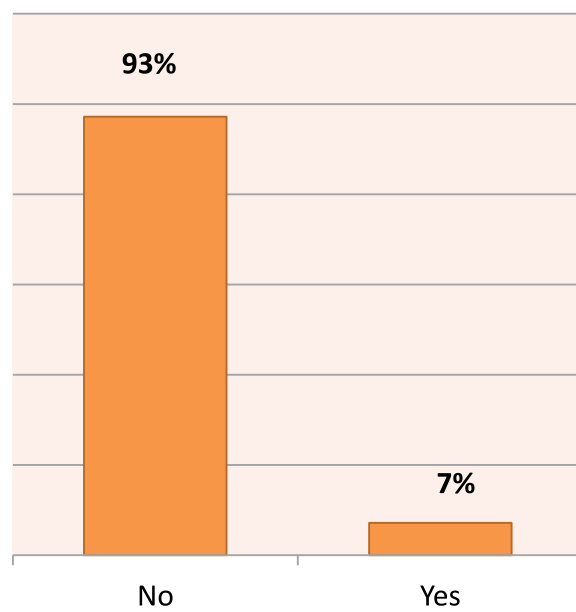
People with hypertension



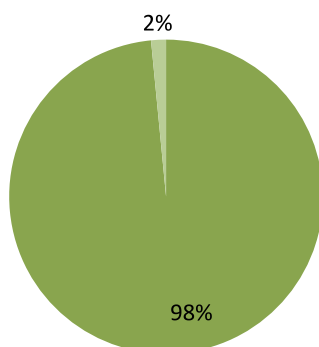
People with asthma, COPD, or any respiratory illness



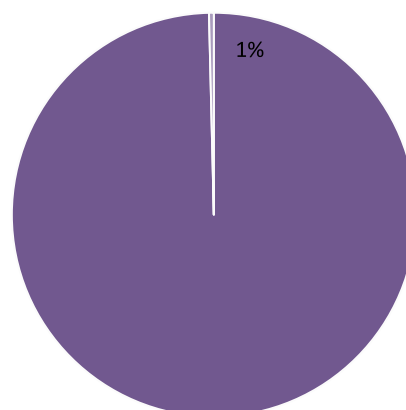
People with heart disease



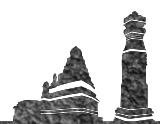
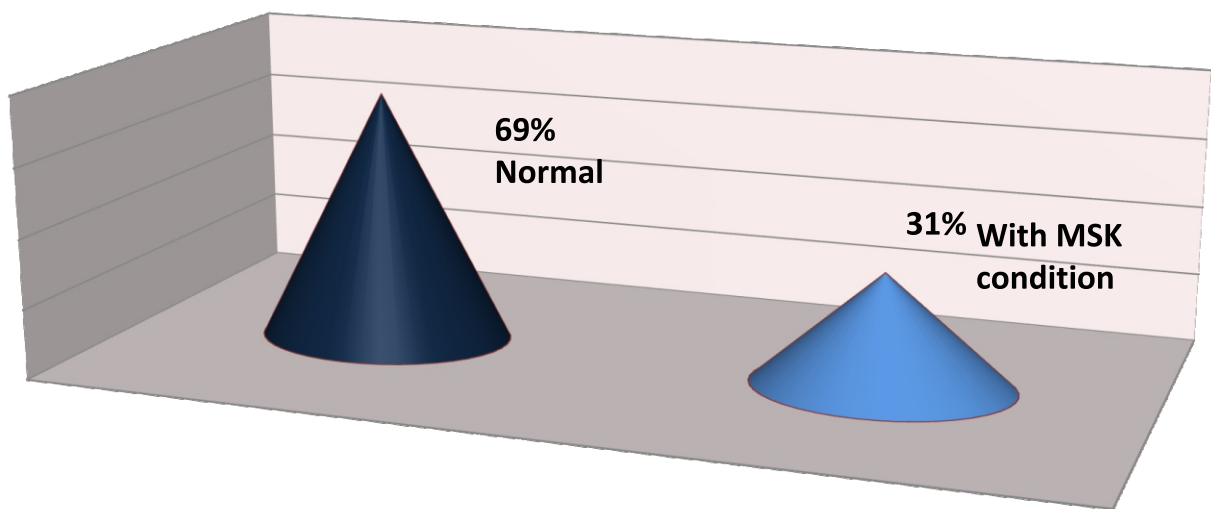
People with stroke



People with cancer

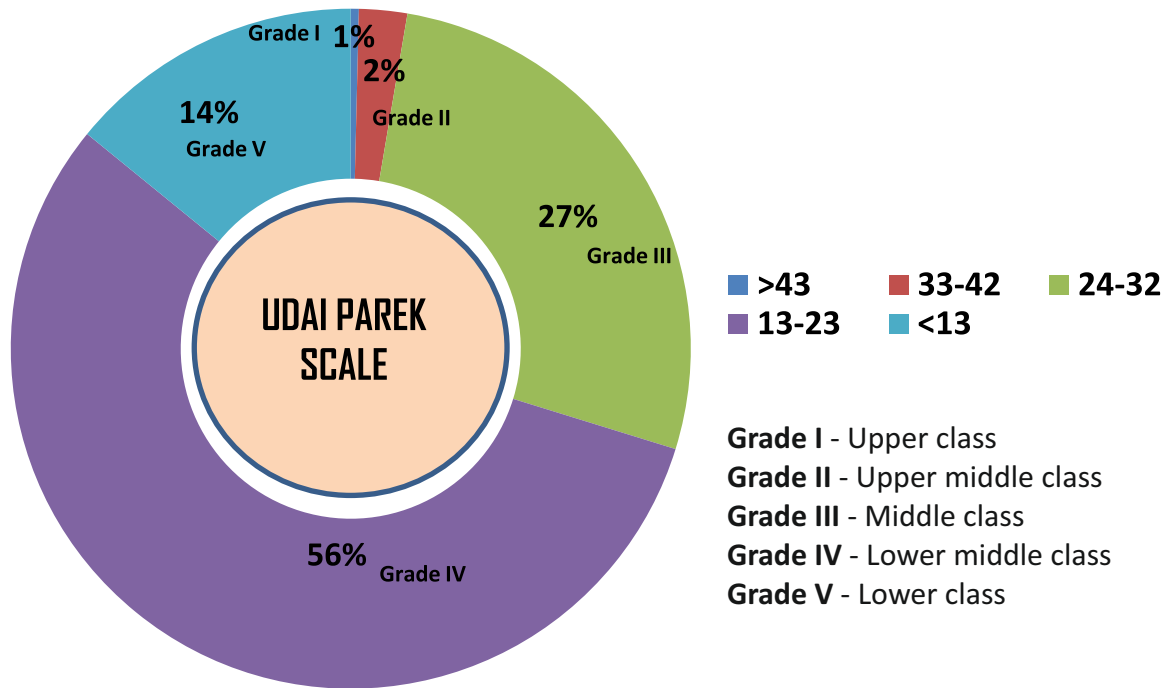


Arthritis or any Musculoskeletal Condition



SOCIOECONOMIC STATUS

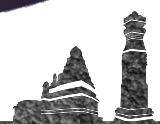
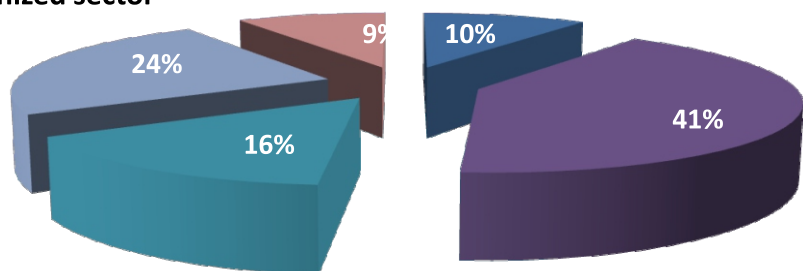
Socio-Economic status



Livelihood



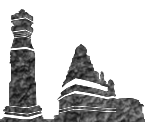
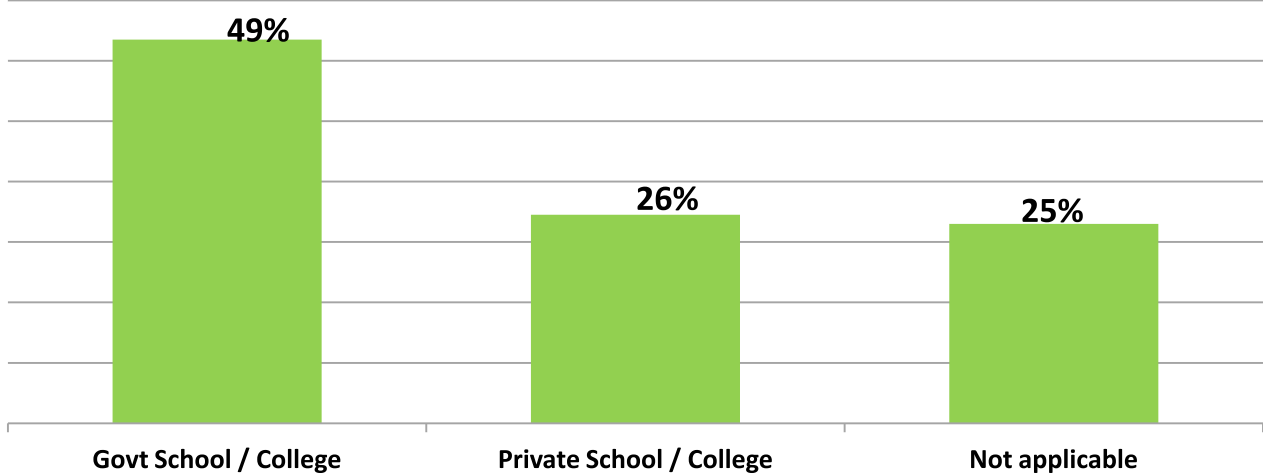
- Agriculture labourer
- Own farm
- Animal Husbandry
- Daily wage worker in unorganized sector
- Self employed / Business
- Private employee
- Service – Govt
- others



School/College

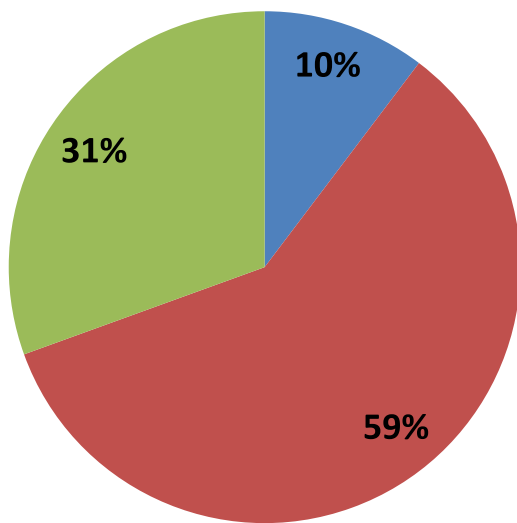


Type



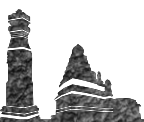
ENVIRONMENTAL

Environmental Condition



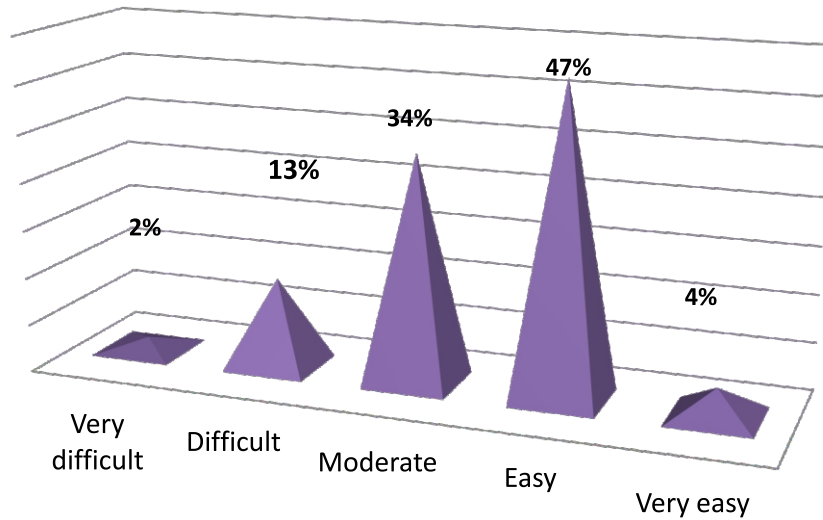
Environmental Score

- Poor - Score 10 or less
- Fair - Score 11 to 20
- Good - Score above 20

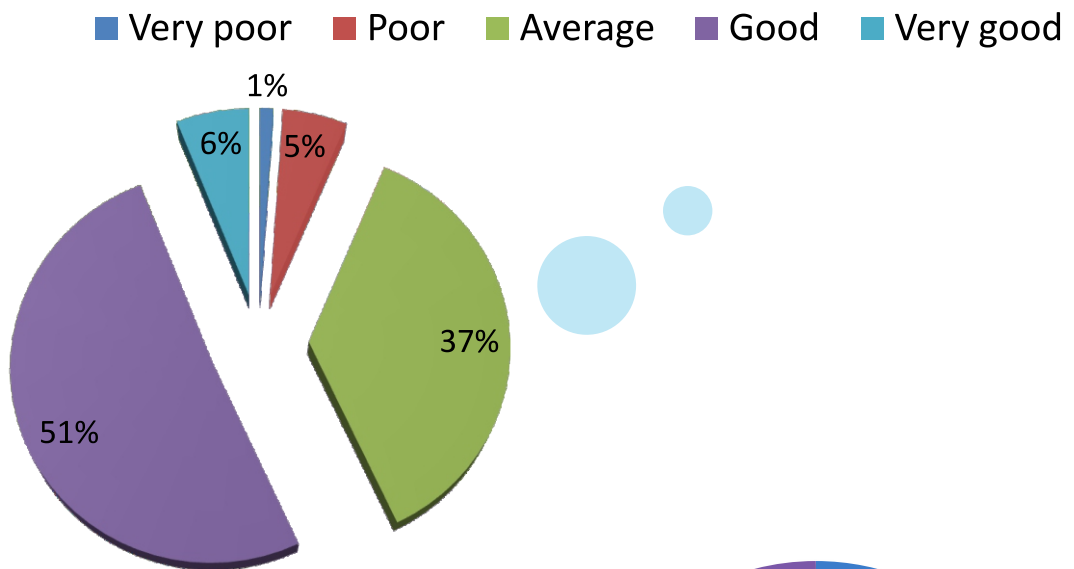


ACCESS TO HEALTH CARE

Availability of Healthcare in past 12 Months

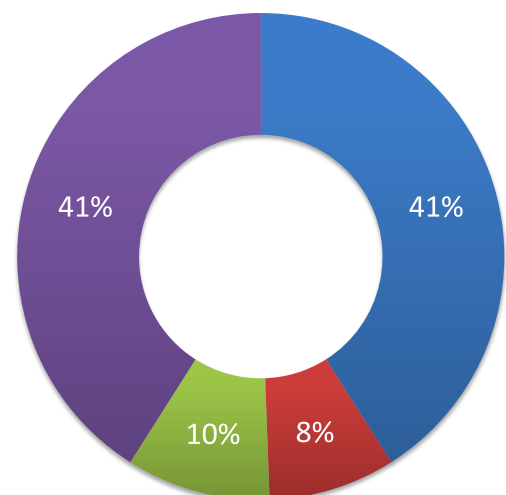


Access to information on the Available Health Care Services

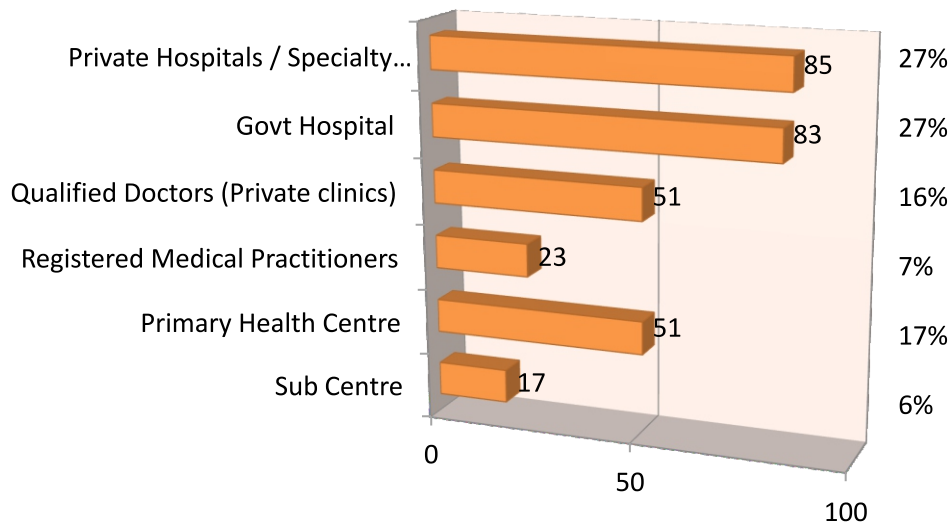


Health Insurances

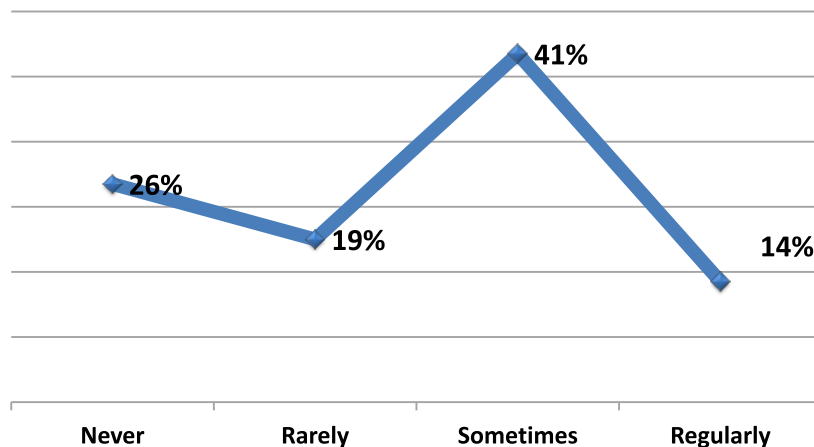
- State Govt Health Insurance scheme
- Central Govt Insurance scheme
- Private health Insurance
- No, we don't have any health insurance



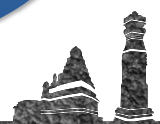
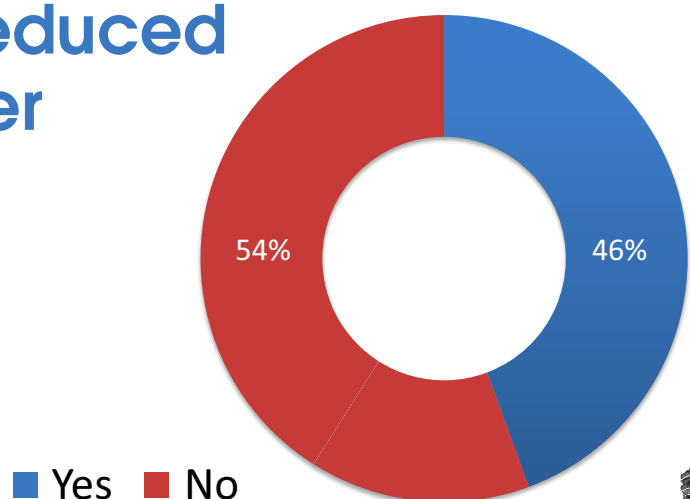
Affordability to Health Services



Financial Difficulties Faced by Spending on Healthcare

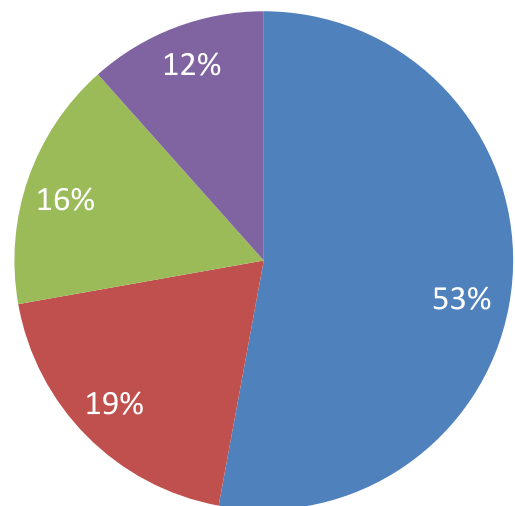


Past 12 Months Reduced Spending to Cover Healthcare Costs



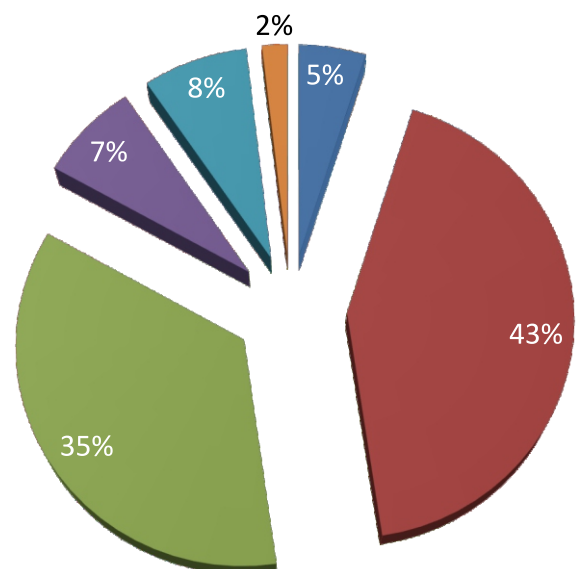
Postponed Treatment Because of Cost

- Never
- 1 time
- 2 times
- 3 or more times

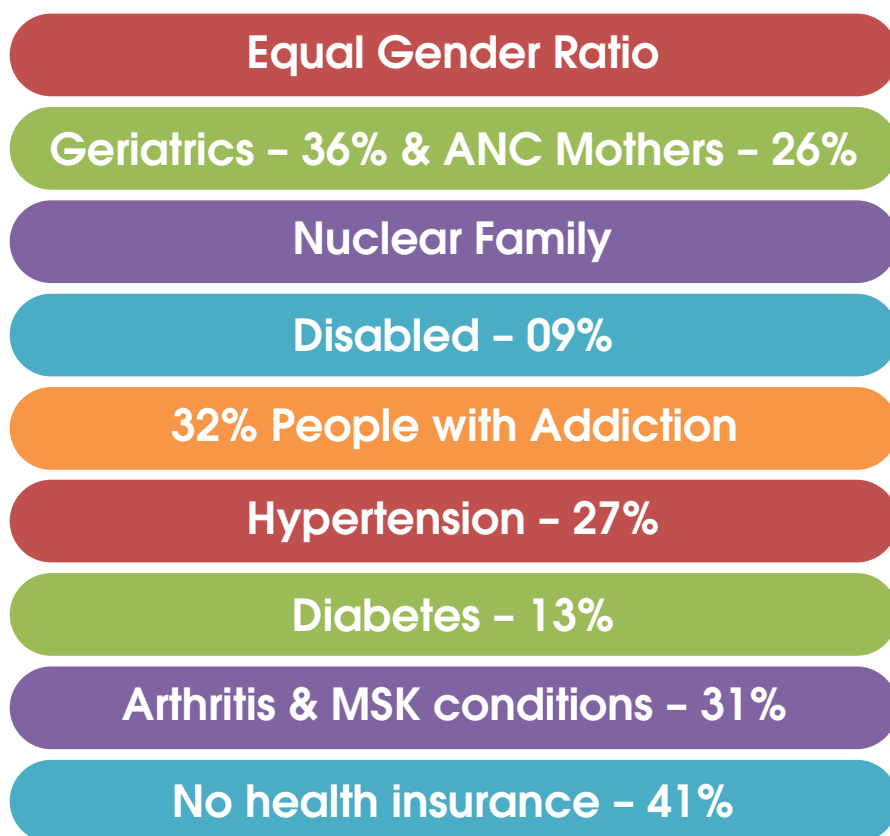


Health Care Services by Government

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know

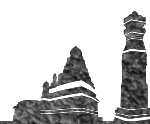


Significant findings of the survey



52% of people faced financial difficulties, when they fall sick

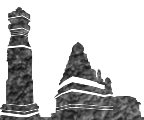
- Good health was always on their priority
- They reduced their spending cost to cover the health expenses
- They never postponed the treatment because of cost

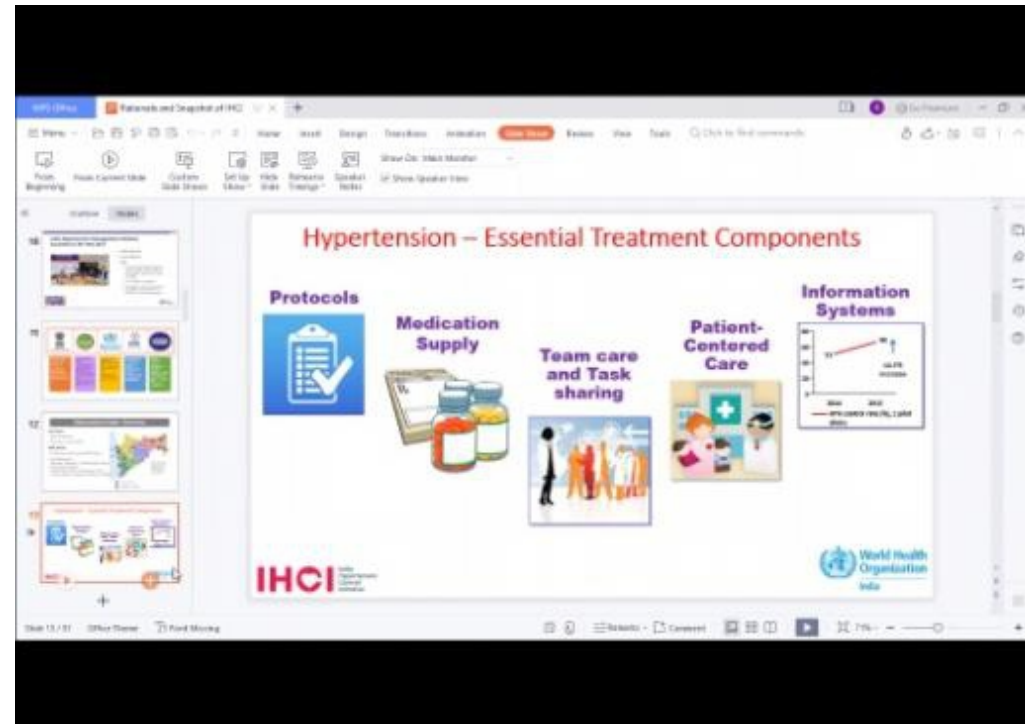
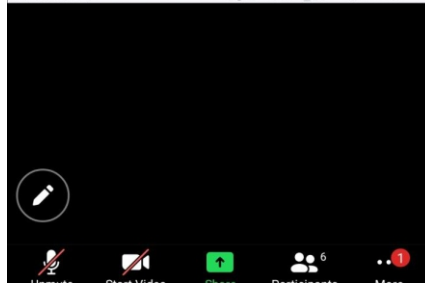
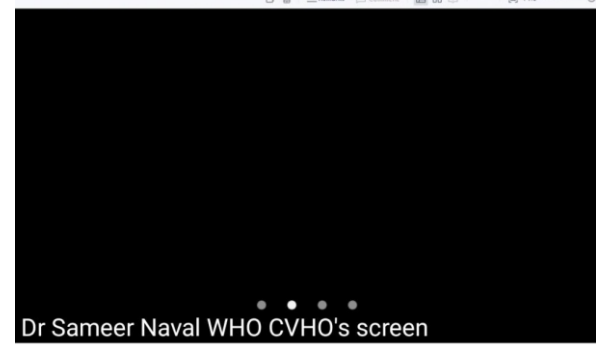
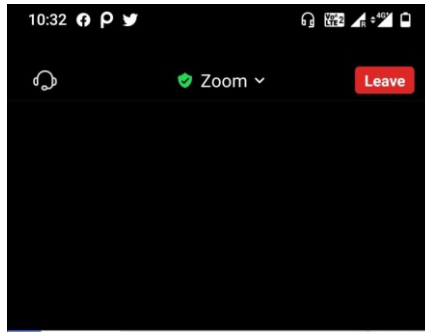
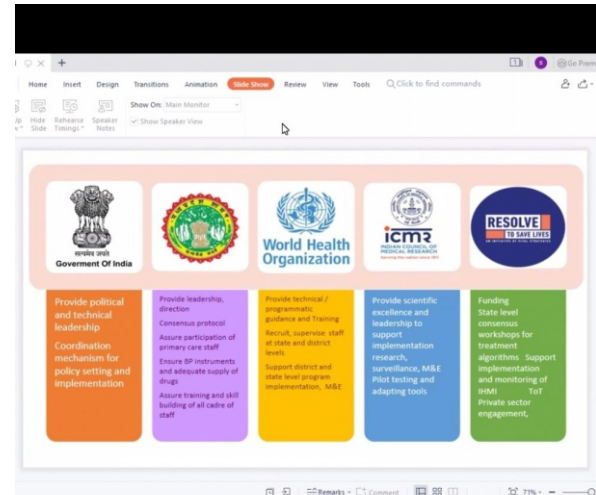
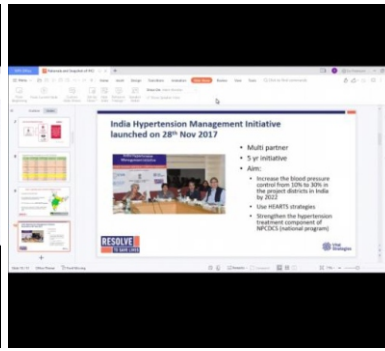
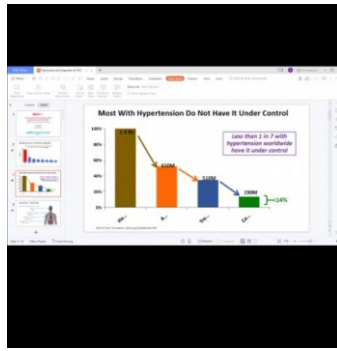
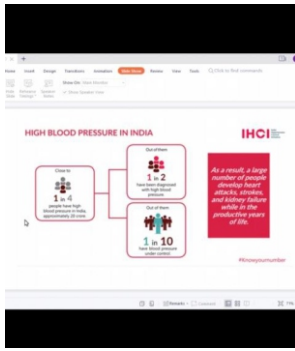


Report of the Survey Findings

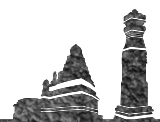


Survey report presented to **Graam Sabha** of **Ellora** on
29th December 2021





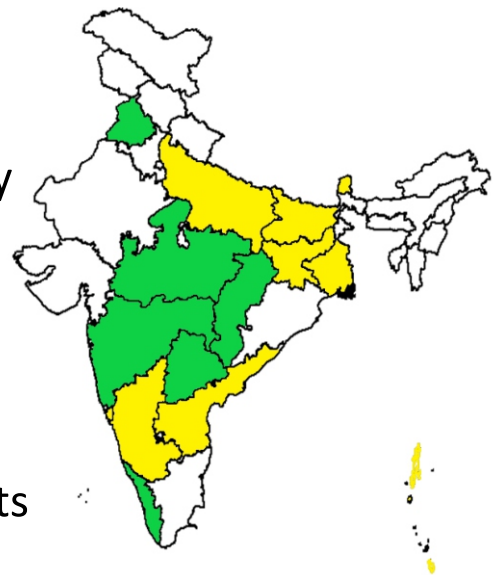
18th December 2021 to IHCI, WHO





India Hypertension Control Initiative (IHCI)



- Launched in November 2017
- To strengthen the hypertension treatment component till community level
- IHCI Strategies based on **WHO HEARTS package**
- IHCI Partners: Ministry of Health, ICMR, WHO-India, State Governments & Resolve to Save Lives



	States implementing IHCI
	States planned to initiate IHCI in 3 rd Qrt 2020





Hearts Protocol

Healthy - Lifestyle Counseling

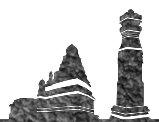
Evidence - Based Treatment Protocols

Access to Essential Medicines & Technology

Risk - Based CVD Management

Team - Based Care

System for Monitoring



World Heart Day - 2021

High Risk Assessment



Recommendations

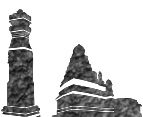
- COVID vaccination campaign
- Musculoskeletal conditions may later QoL
- Geriatric needs as the ratio may tend to rise
- ANC health
- Awareness against addiction
- Hypertension NCD – Potential Health Threat

Tools used

- MGM HESI questionnaire
- EPICOLLECT 5 app
- Google maps
- Zoom meet app for online orientation



Incredible Learning



COPYRIGHT MGM HESI questionnaire



Extracts
from the Register
of Copyrights

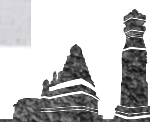


Dated : 31/12/2021

- L-110053/2021**
- Registration Number : **L-110053/2021**
 - Name, address and nationality of the applicant : DR.SANSKRUTI RAVINDRA TAHAKIK , MGM INSTITUTE OF PHYSIOTHERAPY C- BUILDING MGM CAMPUS N-6 CIDCO AURANGABAD-431005 INDIAN
DR.DOSS PRAKASH , MGM INSTITUTE OF PHYSIOTHERAPY C- BUILDING MGM CAMPUS N-6 CIDCO AURANGABAD-431005 INDIAN
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 - Title of the work : MAHATMA GANDHI MISSION HEALTH, ENVIRONMENT & SOCIAL INDEX QUESTIONNAIRE FOR RURAL COMMUNITY (MGM HESI QUESTIONNAIRE FOR RURAL COMMUNITY)
 - Language of the work : ENGLISH
 - Name, address and nationality of the author and if the author is deceased, date of his decease : DR.SANSKRUTI RAVINDRA TAHAKIK , MGM INSTITUTE OF PHYSIOTHERAPY C- BUILDING MGM CAMPUS N-6 CIDCO AURANGABAD-431005 INDIAN
DR.DOSS PRAKASH , MGM INSTITUTE OF PHYSIOTHERAPY C- BUILDING MGM CAMPUS N-6 CIDCO AURANGABAD-431005 INDIAN
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MGM HESI Questionnaire

Sr. No.	Particulars	
1	Name of the head of family	
2	House No / Door No	
3	Street Name / Locality	
4	Village / Taluk / District	
5	Mobile no	
6	Religion / Caste	
7	Total Number of family members	
8	Total Number of male members in family	
9	Total Number of female members in family	
10	Third Gender	
11	Total No of adults (22 to 59 years) in family	
12	No of persons with age 60 & above	
13	No of infants (0 to 1 year)	
14	Are there any pregnant women in your family?	Yes/ No
15	If yes, mention the month of pregnancy	
16	Type of Family	Nuclear / Joint / 3-generation / Extended
17	No of family members vaccinated with one dose of COVID vaccine	
18	No of family members vaccinated with two doses of COVID vaccine	
19	Number of non-vaccinated members in family (Including children)	
20	Does any of your family members been infected with COVID in past?	Yes/ No
21	If yes, total no of members infected with COVID 19	
22	Does any member of your family suffer from disability?	Yes/ No
23	If yes, name & age of the person and mention the type of disability	
24	Does any members of your family been diagnosed with Diabetes Mellitus?	
25	Does any members of your family been diagnosed with Hypertension?	
26	Does any member of your family suffer from Asthma / COPD / Respiratory disease?	
27	Does any member of your family suffer from Heart disease?	
28	Does any of your family member live with residual stroke?	



Sr. No.	Particulars	
29	Does any member of your family suffer from any arthritis / musculoskeletal complaints?	
30	Does any of your family member been diagnosed with cancer?	
31	Are there any addictions among your family members?	
32	If yes, mention the type of addiction - (Smoking / Alcohol / Betel Leaf / Guktha)	
33	Socioeconomic status - Udai Parek socio-economic scale.	

Component of Scale	Tick	Score
A. Caste		
Scheduled Caste		1
Lower Caste		2
Artisan Caste		3
Agricultural Caste		4
Prestige Caste		5
Dominant Caste		6

Component of Scale	Tick	Score
B. Occupation		
None		0
Labourer		1
Caste occupation		2
Business		3
Independent profession		4
Cultivation		5
Service		6

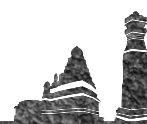
Component of Scale	Tick	Score
C. Education		
Illiterate		0
Can just read		1
Can read and write		2
Primary		3
Middle		4
High school		5
Graduate and above		6

Component of Scale	Tick	Score
D. Land		
No land		0
<1 Acre		1
1-5 Acre		2
5-10 Acre		3
10-15 Acre		4
15-20 Acre		5
>20 Acre		6

Component of Scale	Tick	Score
E. Social Participation		
None		0
Member of one Organization		1
Member of >1 Organization		2
Office holder in one Organization		3
Wider public leader		6

Component of Scale	Tick	Score
F. No. of Family members		
Up to 5		1
>5		2

Component of Scale	Tick	Score
G. House		
No House		1
Kutchha house		2
Mixed house		3
Pucca house		4
Mansion		6

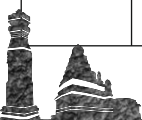


Component of Scale	Tick	Score
H. Farm Power		
No Drought animal		1
1-2 drought animal		2
3-4 Drought animal		3
5-6 Drought animal		6

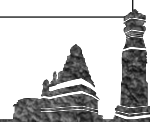
Component of Scale	Tick	Score
Total Scoring of Udai Parek scale. (A+B+C+D+E+F+G+H+I)		
Total Score	Grade	
>43	I	
33-42	II	
24-32	III	
13-23	IV	
<13	V	

Component of Scale	Tick	Score
I. Material Possession		
Bullock cart		1
Cycle		1
Radio		1
Chairs		1
Improved agricultural equipment		2
None		0
Total Score		
Grand Total		

Sr. No.	Particulars	
34	Principal mode of livelihood (Tick the appropriate answers)	Agriculture laborer Own farm Animal Husbandry Daily wage worker in unorganized sector Self employed / Business Private employee Service – Govt Others
35	Educational facilities for children (Tick the appropriate answers)	Govt School / College Private School / College Not applicable
Environmental Score		
36	Housing Condition - Site	Bad - 0 Fair - 1 Good - 2
37	Housing Condition - Setback	No - 0 Improper - 1 Proper - 2
38	Housing Condition - Floor	Kutchha - 0 Pucca with cervices - 1 Pucca without cervices - 2
39	Housing Condition - Wall	Kutchha - 0 Pucca with cervices - 1 Pucca without cervices - 2
40	Housing Condition - Roof	Kutchha - 0 Pucca with cervices - 1 Pucca without cervices - 2
41	Housing Condition - Height	Inadequate - 0 Adequate - 1



Sr. No.	Particulars				
42	Housing Condition - Overcrowding	Present – 0 Absent – 1			
43	Housing Condition - Light (One should read newspaper in any corner of house in adequate lighting)	Inadequate – 0 Adequate – 1			
44	Housing Condition - Kitchen	Not separate – 0 Separate but without smoke outlet – 1 Separate with smoke outlet – 2			
45	Housing Condition - Storage facility	Improper - 0 Proper - 1			
46	Housing Condition - Water supply	Surface - 0 Well - 1 Tap water - 2 Tube well or treated tap water - 3			
47	Housing Condition - Drainage facility	Improper - 0 Proper - 1			
48	Housing Condition - Bathroom	Not separate - 0 Separate but improper - 1 Separate but proper - 2			
49	Housing Condition - Rest Room	Open air defecation - 0 Private service - 1 Public sanitary - 2 Private sanitary - 3			
50	Housing Condition - Domestic animals shed	Not separate - 0 Separate - 1			
51	Housing Condition - Waste disposal	Improper - 0 Proper - 1			
Total environmental score obtained (Sum of 36 to 51)					
	Poor - Score 10 or less Fair - Score 11 to 20 Good - Score above 30				
52	Availability of health care : Thinking of access overall, how difficult or easy was it to actually obtain the healthcare services you needed within the past 12 months?				
	Very difficult	Difficult	Moderate	Easy	Very easy
53	How would you rate access to information on the available healthcare services in your region ? (Newspaper, TV news, Radio, mobile, public health authority campaigns)				
	Very poor	Poor	Average	Good	Very good
54	Do you have any of these health insurances to cover the medical expenses of the family members?				
	State Govt Health Insurance scheme - Mahatma Jyotiba Phule Jan Arogya Yojana (MJPJAY)	Central Govt Insurance scheme (Pradhan Mantri Jan Arogya Yojana)	Private health Insurance	No, we don't have any health insurance	



Sr. No.	Particulars					
55	Affordability : Your preferred choice of health care facility, when someone in your family member needs medical attention					
	Sub Centre	Primary Health Centre	Registered Medical Practitioners	Qualified Doctors (Private clinics)	Govt Hospital	Private Hospitals / Specialty centers in city
56	Do you experience financial difficulties as a result of spending on healthcare?					
	Never	Rarely		Sometimes	Regularly	
57	In the past 12 months, did you reduce your spending on essential needs, such as food or clothing, to be able to cover healthcare costs?					
	Yes			No		
58	In the past 12 months, did you forgo (do without) or postpone healthcare visits because of cost?					
	Never	1 time		2 times	3 or more times	
59	In the past 12 months, did you forgo (do without) or postpone treatment because of cost?					
	Never	1 time		2 times	3 or more times	
60	Our healthcare services are covered to a sufficient degree by government health care system					
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Don't know

Name of the demographic data collector :

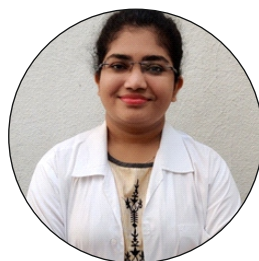
Date :

Time :

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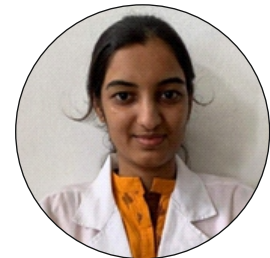
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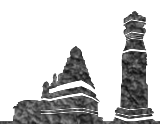
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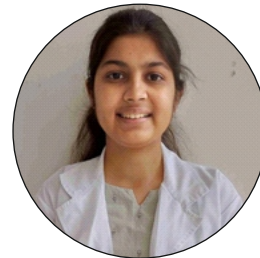
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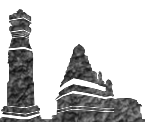
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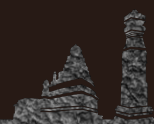


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