



CHILD HEALTH ENVIRONMENT AND SAFETY TRUST





THE ENLIGHTENMENT
CAMPAIGN ON
**SANITARY DISPOSAL
OF FACE MASKS**

Date: 30th September, 2021
Venue: OBMS Main Hall

For Donations
0623150947 (Naira)
0623150954 (Dollar)
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Bank: GT Bank

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Program Theme: Enlightenment Campaign on Sanitary Disposal of Face Masks

Date: September 30th, 2021

Venue: Oritamefa Baptist Youth Centre.

Time: 12:30pm - 2:30pm

BACKGROUND

The recent outbreak of the SARS-CoV-2 virus, also known as the Corona Virus or COVID 19 has caused a significant increase in the use of Personal Protective Equipment (PPE) including the nose mask. The nose mask is worn to prevent the transmission of viruses from one person to another by covering the nose and the mouth. It acts as a barrier that prevents individuals from inhaling viruses that is released into the air when an infected person sneezes or coughs. Once a nose mask has been used, it becomes a fomite, capable of spreading infections.

With the increase in the use of these nose masks, comes the increase in the generation of waste and these wastes needs to be disposed of properly because, their improper disposal of this waste can pose a risk to the environment. Masks are a potential and easily overlooked source of environmental microplastics.

RATIONALE FOR THE PROGRAMME

With proper education there can be a positive change in the disposal of these nose masks. Children are more vulnerable and have a higher chance of getting involved in this cross-contamination because they play with almost everything they come across and most often they do not get adequate information on matters like this, because they are usually overlooked. When a used nose mask is discarded inappropriately, it would be easy for them to pick it up and play with it, thereby putting themselves at risk of getting infected with the virus in the mask. Educating the children and caregivers can make a huge impact in the reduction of cross-contamination among children. It can also act as a model for them to follow in the disposal of other biohazardous waste.

AIM AND OBJECTIVES OF THE PROGRAMME

Aim: To educate the students and teachers on the proper sanitary disposal of nose masks

Objectives:

The specific objectives of the program were to

1. Assess knowledge of face masks importance among the children.

2. Assess the level of face masks use among the children.
3. Determine current methods of face masks disposal by the children.
4. Educate children on appropriate sanitary disposal of face masks disposal.
5. Sensitize the children about the health hazards associated with unsanitary disposal of face masks.

TARGET POPULATION:

The target population for this program are in-school children from the junior and senior sections of selected secondary schools in Ibadan (Oritamefa Baptist Model School, The International School Ibadan).

HIGHLIGHTS OF THE EVENT

The program started at 12:30pm with National Anthem led by Mr. Sule Victor, one of CHEST Personnel and a welcome address by the Vice Principal of OBMS in person of Mr. OWOADE Adewumi Raphael, who represented the principal. The opening remarks was delivered by the Founder/President, Prof Godson R.E.E Ana on the purpose of the gathering as well as the envisaged outcome of the program.

The Theoretical Session was handled by five resource persons. The Founder/Founder of CHEST, Prof. G.R.E.E Ana gave a presentation on “Management of Face Masks”, Dr. O.M. Morakinyo talked on “Face Masks as A Barrier against Agents of Contamination/Infection, Dr. Foluso Balogun, one of resource persons who is a medical practitioner gave her presentation on the “Health Implications of Improper Disposal of Face Masks”. The Executive Director of CHEST Mrs. Margaret Godson Ana handled the presentation on “Environmental Benefits of Sanitary Disposal of Face Masks”

The practical session on the management of face masks, which took 10 minutes, was handled by Miss BALOGUN Olusola Sonia and Mr. Tobi Omikunle. Two of the students present also volunteered for the demonstration (One from OBMS and the other from ISI). Pre and Post

questionnaires were administered to the students at the beginning and the end of the program to test the knowledge gained.

The program ended with a group photograph with participants being issued with certificates of participation. The event was covered by the Press (Galaxy and Tribune) in the usual CHEST tradition of ensuring that her activities are well disseminated to members of the public. The event finally came to an end by 2:34pm.

FOCUS AREAS:

1. Understanding the spread of viruses.
 - The concept of cross-contamination.
 - The use of face mask in preventing the spread of viruses and how these nose masks become fomites.
 - Health implications of improper disposal of nose masks.
2. Disposal of face masks.
 - How to properly dispose the masks.
 - Benefits of disposing the masks properly.

APPROACH ADOPTED FOR THE PROGRAM

The following strategies were employed to achieve the objectives of the program:

i. Survey

A survey was carried out among the participants via self-administration method where their knowledge, attitude and perception on nose mask management were assessed.

ii. Training

Training was carried out in two sessions (Theoretical and practical). These sessions educated the students on how to dispose the surgical face mask and how to maintain the reusable face mask.

iii. Palliatives

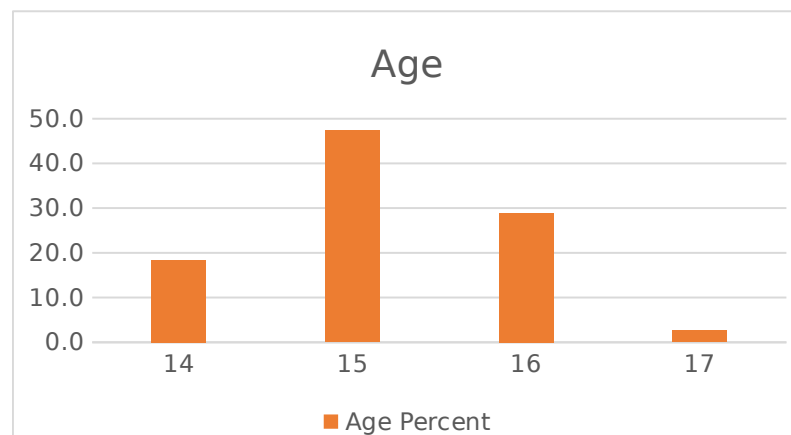
Surgical face masks were distributed to the students and waste bin baskets were also donated to the schools. These were given to the students in order to encourage them to dispose their used face masks properly.

RESULT AND ANALYSIS

Socio-demographic characteristics.

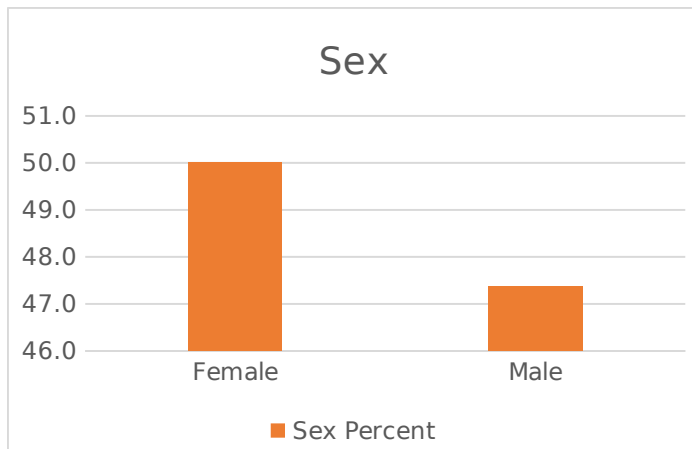
Majority of the students were 15 years old (48.6%), while just 2.6% of the respondents were 17 years old.

Age					
		Frequency	Percent	Valid Percent	Cumulative Percent
	14	7	18.4	18.9	18.9
	15	18	47.4	48.6	67.6
	16	11	28.9	29.7	97.3
	17	1	2.6	2.7	100.0
Missing		1	2.6		
Total		38	100.0		



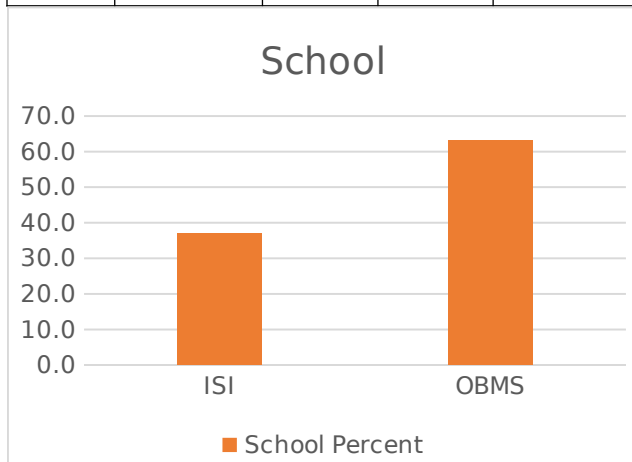
47.4% of the respondents were male, while 50% of the students were females. 2.6% did not identify their gender.

Sex				
	Frequency	Percent	Valid Percent	Cumulative Percent
Missing value	1	2.6	2.6	2.6
Female	19	50.0	50.0	52.6
Male	18	47.4	47.4	100.0
Total	38	100.0	100.0	



Oritamefa Baptist Model School had more students with 63.2%.

School				
	Frequency	Percent	Valid Percent	Cumulative Percent
ISI	14	36.8	36.8	36.8
OBS	24	63.2	63.2	100.0
Total	38	100.0	100.0	

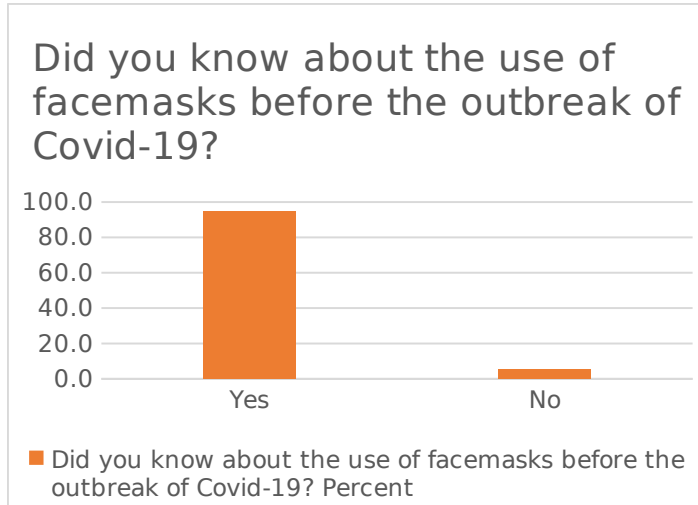


Knowledge on the Use and Disposal of Face Masks

Almost all the respondents (94.7%) knew about the use of face masks before the outbreak of Covid-19 .

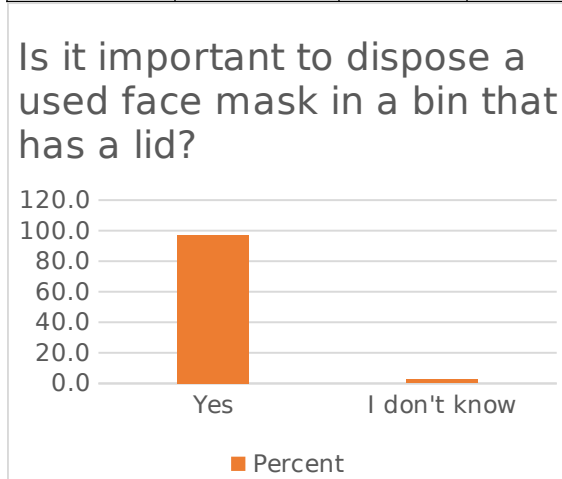
Did you know about the use of facemasks before the outbreak of Covid-19?				
	Frequency	Percent	Valid Percent	Cumulative Percent

Yes	36	94.7	94.7	94.7
No	2	5.3	5.3	100.0
Total	38	100.0	100.0	



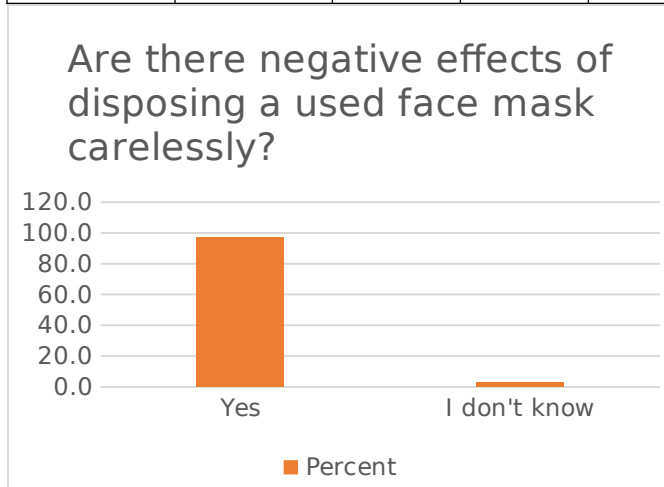
Only 2.6% of the respondents was not sure if it is important to dispose a used face mask in a bin that has a lid. The other 97.4% affirmed that it is important to dispose used face masks in a dust bin that has a lid.

Is it important to dispose a used face mask in a bin that has a lid?				
	Frequency	Percent	Valid Percent	Cumulative Percent
Yes	37	97.4	97.4	97.4
I don't know	1	2.6	2.6	100.0
Total	38	100.0	100.0	



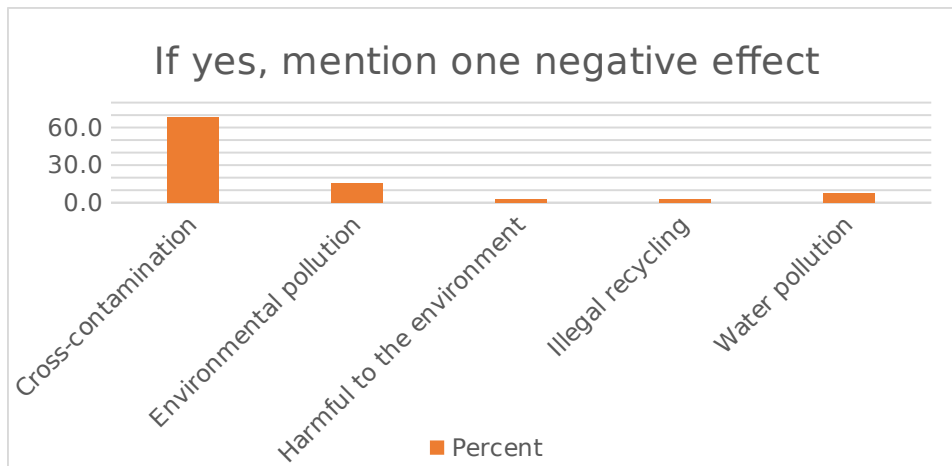
A good number of students (97.4%) agreed that there are negative effects of disposing a used face mask carelessly.

Are there negative effects of disposing a used face mask carelessly				
	Frequency	Percent	Valid Percent	Cumulative Percent
Yes	37	97.4	97.4	97.4
I don't know	1	2.6	2.6	100.0
Total	38	100.0	100.0	



All respondents gave at least one negative effect of disposing a used face mask carelessly. The highest effect given was “Cross-contamination” by 68.4% of the students, followed by “Environmental pollution” by 15.8% of the respondents.

If yes, mention one negative effect				
	Frequency	Percent	Valid Percent	Cumulative Percent
Missing values	1	2.6	2.6	2.6
Cross-contamination	26	68.4	68.4	71.1
Environmental pollution	6	15.8	15.8	86.8
Harmful to the environment	1	2.6	2.6	89.5
Illegal recycling	1	2.6	2.6	92.1
Water pollution	3	7.9	7.9	100.0
Total	38	100.0	100.0	



Attitude Associated with Face Masks Reuse and Disposal

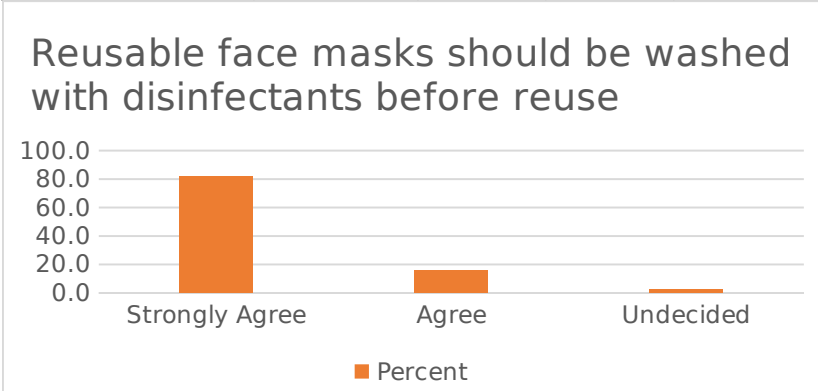
More than half of the respondents (71.1%) strongly disagreed that face masks can be discarded with other wastes, followed by 23.7% that disagreed with the notion.

Face masks can be discarded with other wastes				
	Frequency	Percent	Valid Percent	Cumulative Percent
Strongly Agree	1	2.6	2.6	2.6
Agree	1	2.6	2.6	5.3
Disagree	9	23.7	23.7	28.9
Strongly Disagree	27	71.1	71.1	100.0
Total	38	100.0	100.0	



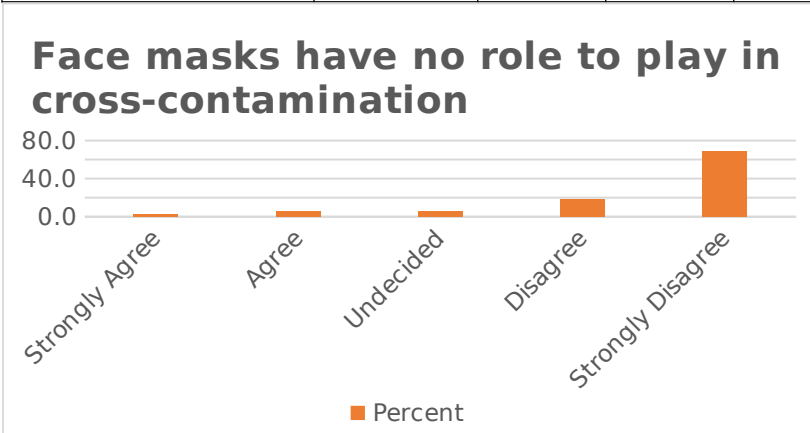
Majority of the students (81.6%) strongly agreed that reusable face masks should be washed with disinfectants before reuse. 15.8% of the respondents also agreed that it is important to wash a fabric face mask with disinfectants.

Reusable face masks should be washed with disinfectants before reuse				
	Frequency	Percent	Valid Percent	Cumulative Percent
Strongly Agree	31	81.6	81.6	81.6
Agree	6	15.8	15.8	97.4
Undecided	1	2.6	2.6	100.0
Total	38	100.0	100.0	



More than half of the students (68.4%) strongly disagreed that face masks have no role to play in cross-contamination. In opposition to this, just 2.6% strongly agreed that face masks have no role to play in cross-contamination.

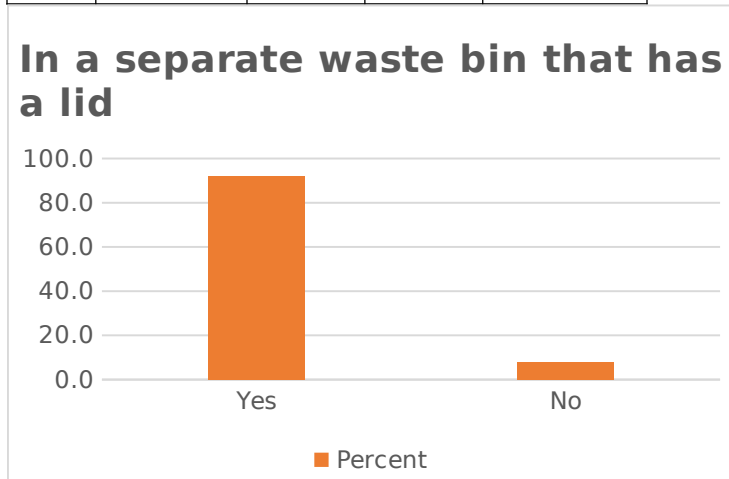
Face masks have no role to play in cross-contamination				
	Frequency	Percent	Valid Percent	Cumulative Percent
Strongly Agree	1	2.6	2.6	2.6
Agree	2	5.3	5.3	7.9
Undecided	2	5.3	5.3	13.2
Disagree	7	18.4	18.4	31.6
Strongly Disagree	26	68.4	68.4	100.0
Total	38	100.0	100.0	



Practices Associated with Face Masks Reuse and Disposal

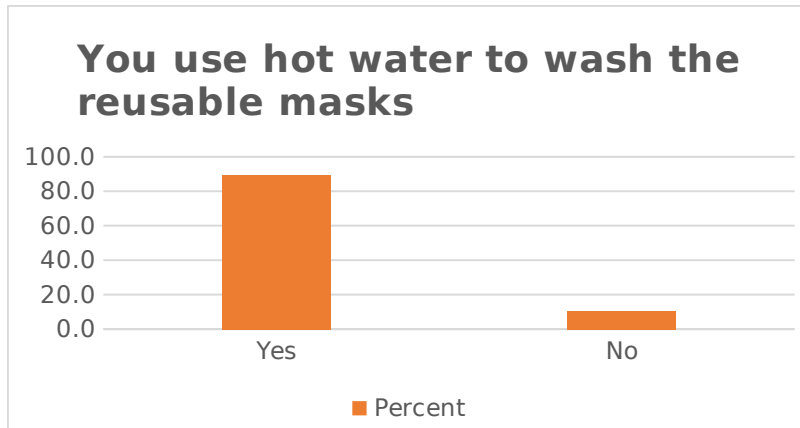
92.1% of the students agreed that used face masks should be disposed in a waste bin that has a lid.

In a separate waste bin that has a lid				
	Frequency	Percent	Valid Percent	Cumulative Percent
Yes	35	92.1	92.1	92.1
No	3	7.9	7.9	100.0
Total	38	100.0	100.0	



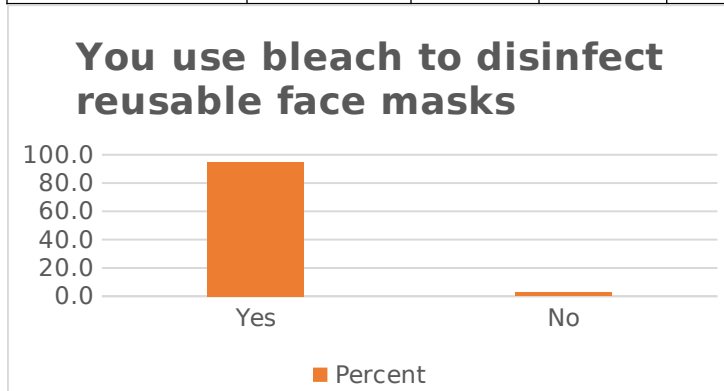
A handful of the respondents (10.5%) disagreed that hot water should be used to wash reusable face masks.

You use hot water to wash the reusable masks				
	Frequency	Percent	Valid Percent	Cumulative Percent
Yes	34	89.5	89.5	89.5
No	4	10.5	10.5	100.0
Total	38	100.0	100.0	



Almost all the respondents (94.7%) agreed that a bleach should be used to disinfect a reusable face mask.

You use bleach to disinfect reusable face masks				
	Frequency	Percent	Valid Percent	Cumulative Percent
Missing value	1	2.6	2.6	2.6
Yes	36	94.7	94.7	97.4
No	1	2.6	2.6	100.0
Total	38	100.0	100.0	



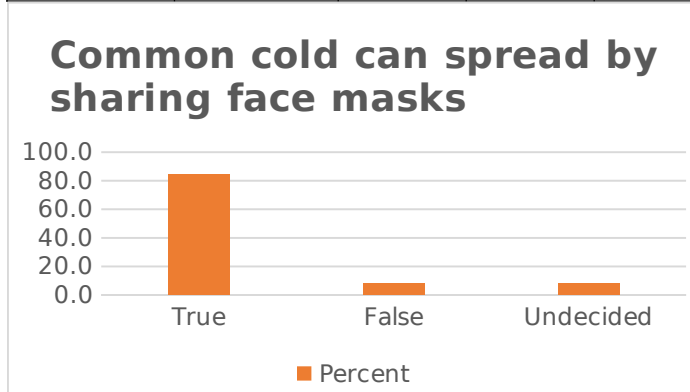
Perception on Health Risks Associated with Poor Face Masks Management

All the students present agreed that poorly discarded face masks can spread viruses.

Poorly discarded face masks can spread viruses				
	Frequency	Percent	Valid Percent	Cumulative Percent
True	38	100.0	100.0	100.0

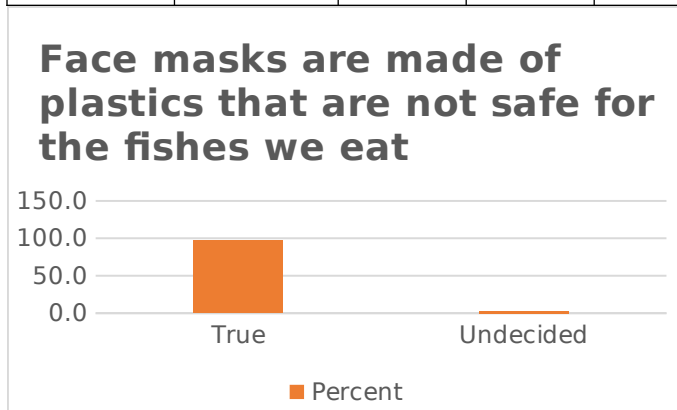
Few of the students (7.9%) disagreed that common cold can spread by sharing face masks, while 84.2% agreed.

Common cold can spread by sharing face masks				
	Frequency	Percent	Valid Percent	Cumulative Percent
True	32	84.2	84.2	84.2
False	3	7.9	7.9	92.1
Undecided	3	7.9	7.9	100.0
Total	38	100.0	100.0	



97.4% of the respondents agreed that face masks are made of plastics that are not safe for the fishes that we consume. The remaining 2.6% was undecided.

Face masks are made of plastics that are not safe for the fishes we eat				
	Frequency	Percent	Valid Percent	Cumulative Percent
True	37	97.4	97.4	97.4
Undecided	1	2.6	2.6	100.0
Total	38	100.0	100.0	



INCOMES AND EXPENDITURES FOR THE PROGRAMME

DATE	DESCRIPTIONS	INCOME (₦)	EXPENSES (₦)	TOTAL (₦)	
September	Prof. G.R.E.E. Ana	20,000			
	Greenway	50,000			
	Oritamefa Baptist Model School	40,000			
	Mr. Tunji Oluyide	10,000			
	Prof. Osinbanjo	50,000			
	Dr Taiwo Hammed	5,000			
	Mr. Godwin Idomo	5,000			
					180,000
		Press		20,000	
		Photography		25,000	
	Banner		8,000		
	Certificates		11,500		
	Printings		3,500		
	Waste Bins		16,000		
	Face masks		6,000		
	Stipend for volunteers/resource persons		27,000		
				117,000	

PHOTO SPEAK

Image showing Cross-section of participants, students, and CHEST officials at the program



Registration of Participants and students before the commencement of the program



The National Anthem and opening remarks by the president/Founder of CHEST



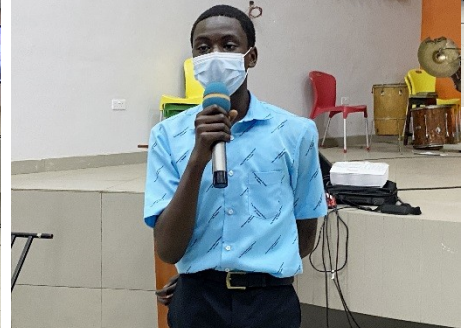
Cross section of ISI Students (Left) and OBMS Students (Right) at the event.

Practical Demonstrations





Donations/Interventions



Press Coverage



The CHEST Team

