

STANDARD OPERATING PROCEDURES FOR INFECTION PREVENTION & CONTROL FOR COVID-19 IN SCHOOLS.

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Background

- ▶ An effective Infection Prevention and Control (IPC) programme is fundamental to the quality of the health of school going pupils, teaching and non-teaching staff.
- ▶ It carries the potential benefit of reducing the disease burden on learning institutions, and the nation as a whole.
- ▶ Current evidence indicates that covid-19 virus is transmitted through respiratory droplets or contact.
- ▶ Contact transmission occurs when contaminated hands touch the mucosa of the mouth, nose or eyes. The virus can be transferred from one surface to another by contaminated hands which facilitates indirect contact transmission.
- ▶ consequently, preventing and controlling infection interrupts transmission of other viruses and bacteria causing common colds, flu and pneumonia thus reducing the general burden of disease.

PURPOSE

- ▶ provide clear and actionable guidance for safe operations through the prevention, early detection and control of COVID-19 in schools.

Scope

- ▶ School administrators, teaching and non-teaching staff.

The SOPs shall be implemented by.

- ▶ School administrators, teaching and non-teaching staff with support from Ministry of Health and Ministry of Education & sports.
- ▶ The district Education office shall oversee the implementation of these SOPs.

Orientation of teaching and non-teaching staff on COVID-19 SOPs

Interventions	Detail	Requirement	Resp Person
Orientation of teaching and non-teaching staff on COVID-19 SOPs.	<p>Orientation on basic information on COVID -19.</p> <p>Infection Prevention and Control (IPC) content.</p> <p>Capacity building of school COVID -19 surveillance system.</p>	Manuals, SOPs, IEC materials, Data Tools	ToTs, Facilitators, district task force, directors and principals

Foot operated Hand Washing

interventions	Detail	Requirement	Resp Person
Foot operated Hand Washing	<p><i>A) Steps on hand washing(at least 20 seconds while washing)</i></p> <p><i>Step1: Wet hands with safe/ clean running water</i></p> <p><i>Step2: Apply enough soap to cover wet hands</i></p> <p><i>Step3: Scrub all surfaces of the hands including backs of hands, between fingers and under nails for at least 20 seconds</i></p> <p><i>Step 4: Rinse thoroughly with running water</i></p> <p><i>Step 5: Dry hands if possible with a not shared cloth or towel</i></p> <p>N.B Wash your hands often especially before and after eating, after blowing your nose, coughing or sneezing, using the toilet/latrines and whenever your hands are visibly dirty.</p>	<p><input type="checkbox"/> Soap per day per person by gender.</p> <ul style="list-style-type: none"> ▪ Liquid soap = 1litre for girl child; 1 litre for teaching and non-teaching 1 litre for boy child = 3litres each day. <p>Assumption that each category has latrine facilities.</p> <ul style="list-style-type: none"> ▪ Tablet soap = 1 Bar per day <p>Assumption : 1 bar serves 200 persons.</p> <p>Or</p> <p><input type="checkbox"/> Disinfectant</p> <p>Can use chlorine (Jik) 0.05% i.e. 1 Jik cover in 20 litre Jerry-can full of water</p> <p>N.B No need for soap</p> <p><input type="checkbox"/> Water reserve – <i>minimum of 100 litres at each sanitary facility. Need a minimum of 2 operated hand washing facility.</i></p> <p>Assumption: latrine has 4 -5 stances</p>	<p>District task force</p> <p>Principal/ Head Teacher</p> <p>School Nurse</p> <p>Teacher in charge of health</p> <p>Prefect for health</p>

Hand washing contd

INTERVENTION	DETAIL	REQUIREMENT	RESP PERSON
	<p>B) Key messages on hand washing at the school compound. Critical moments for handwashing that should be observed</p> <ul style="list-style-type: none"> • <i>Before and after handling or eating food.</i> • <i>After visiting the toilet.</i> • <i>After touching surfaces such as desks, tables, shaking hands, coughing and sneezing</i> • <i>After contact with school surroundings. Hands should be cleaned even if e.g. after touching dead objects.</i> • <i>Before any contact with a patient. (applies to school nurse)</i> • <i>Before performing any action or procedure. i.e. laboratory.</i> • <i>After exposure / contact with any body fluids such as droplets, urine, faeces, mucus, saliva, blood, etc even if there is no noticeable contact.</i> • <i>After having had contact with a patient e.g. position changing, measuring changing of clothes or linen, etc. (applies to school nurse.)</i> 		

Foot operated Hand Washing

intervention	detail	requirement	Resp person
contd	<p>C) Points for hand washing Stations: Entrance of school, Office block, Classroom, Staffroom, kitchen, dinning hall, store, latrine facilities, bath shelters(MHM), Dormitory, hostel, school comp0nd.)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> More hand washing facilities (foot operated) <input type="checkbox"/> SOPs at every hand washing Point such as Entrance of school, Office block, Classroom, Staffroom, kitchen, dinning hall, store, latrine facilities, bath shelters(MHM), Dormitory, hostel, school comp0nd.) 	
	<p>D) Disposal of waste water</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Waste water collection point (Bucket, soak –away pit) <input type="checkbox"/> Waste water should be disposed off in a constructed waste water pit of 4metre depth filled with hard core stones and covered. 	

SANITIZING

INTERVENTION	DETAIL	REQUIREMENT	RESP PERSON
Sanitizing	<p>Steps for using ABHR</p> <ul style="list-style-type: none"> • pour not less than 3-5 mls of alcohol hand rub into the palm of your hand and cover all surfaces of the hands. • Rub hands together covering all surfaces of hands and fingers • Rub until hand rub is absorbed. <p>NB. It is recommended that after 6-10 applications of alcohol rub a social hand wash must be done.</p>	60 ML Alcohol Based Hand Rub.	<p>Teacher in charge of health</p> <p>Staff on duty</p> <p>School Nurse</p> <p>Health Prefect</p>

Sanitizing Contd

Interventions	Detail	Requirement	Resp person
	<p>Use of 70% Alcohol Based Hand Rubs (ABHR)</p>	<p>Each Teacher =1 bottle of ABHR of 60ml. Replenish when finished</p>	<p>Teacher in charge of health Staff on duty School Nurse Health Prefect</p>
	<p>Children under 8 years should be under close supervision when using alcohol based hand rubs</p> <p>Learners who can afford are encouraged to use the ABHR but under supervision of a teacher</p> <p>ABHR be performed for 10 seconds between sessions.</p> <p>Sanitizers can be used between lessons or a procedure.</p> <p>N.B When hands are physically contaminated Hand washing with water and soap should be performed</p>	<p>.</p>	

Social/Physical distancing

intervention	Detail	Requirement	Resp person
Social/Physical distancing	<ul style="list-style-type: none"> <input type="checkbox"/> Classroom - 2 meters apart in all directions in classroom. - Classroom ; 2 x2 metres per learner. - Physical distances in classrooms includes not more than 2 learners sharing desks. - No hugging, handshaking and direct contact must be avoided. i.e 10 learners per standard classroom <input type="checkbox"/> Dormitory 1 learner per bed including decker beds. Pupils <12 yrs. = 10metres floor space >12 yrs. learners= 13.2 metres floor space <input type="checkbox"/> Co- curricular activities. Co-curricular activities or activities that results in overcrowding should be put on halt. <input type="checkbox"/> staffroom Staff room occupants should sit 2 meters apart Note standard classroom 42 square metres for primary and 56 square meter for secondary and tertiary 	<p><i>More classrooms required and more teachers.</i></p>	<p>Director of studies</p> <p>Class teacher /Stream</p> <p>Teacher on duty.</p> <p>Senior woman</p>

Social/Physical distancing contd

Intervention	detail	requirement	Resp person
	<p>Dining Hall= 1.6 meter per person</p> <p>Library (recommend leading out books for learners to read from spacious places)</p>		
	<p>Laboratory;</p> <p>Emphasis of protective gears</p> <p>Classes be conducted in shift model</p> <p>Reference is: The Public Health (School building) rules</p>		

SOCIAL DISTANCING IMPLICATIONS

- ▶ Infrastructure and Furniture
 - Sanitize classroom prior to start of school day
 - Sanitize hands on entering of classroom
 - Limit movement of learners between classes
 - No clustering of desks in classrooms

Ventilation and lighting

INTERVENTION	DETAILS	REQUIREMENT	RESP
Ventilation and lighting	Use of natural lighting and ventilation Desiccation of the classroom and dormitory environment	Ventilation: 1/100 of the total floor area either through or cross	<ul style="list-style-type: none">• SMC• DOS• Staff on duty• Perfects
	Keep windows open during learning to allow in fresh air circulation	Windows 10/100 of total floor area either cross or through Lighting : Natural light is recommended on both cross walls but most light should fall from the left hand side	

Disinfection and Decontamination

intervention	Details	requirement	Responsible
Disinfection and Decontamination	Disinfection should apply to the class floors , wall surfaces, furniture ,doors and frames, window seals , wet areas(toilets , wash basins, bathrooms.	<p>Disinfectants</p> <p>Chlorine (Jik) 0.5%= 5 jik cover in 20 litres of water</p> <p>Vim = 500grams mix with 6 litres of water</p> <p>Jezzy= 5litre jerry-can in 20 litres of water</p>	DHO, DEO, DIS , HI,HA, School Nurse
	<p>Application of disinfectants should be preceded by cleaning to prevent inactivation of disinfectants.</p> <p>The solution should be used within 24 hours.</p> <p>Use of PPEs during disinfection and decontamination processes</p>		

Disinfection and Decontamination contd

intervention	Details	Requirements	Resp person
Decontamination	<p>Decontamination:</p> <p>In case of a suspected person , the school should decontaminate areas of contact e.g. class, bed, isolation room and other surfaces.</p> <p>At the end of the day, disinfection of toilets, door handles, window seals, tales, blackboard and other surfaces</p>	<p>Decontamination</p> <p>Chlorine(jik) 1% =10 jik Top covers in 20litres of water</p> <p>Pumps: Back carried hand pumps either motorized or manual</p>	<p>DHO, DEO, DIS , HI,HA, School Nurse</p>

Respiratory Etiquette

Intervention	Details	Requirements	Resp person
Respiratory Etiquette	<p>No open spitting</p> <p>Cover mouth and nose with clean personal cloth when coughing or sneezing</p> <p>Sneezing should be done under an elbow</p> <p>Avoid touching face, eyes or shaking hands</p> <p>Wash hands with soap and water after those incidences</p> <p>Disposal off properly the used material/tissue to avoid spread of infection.</p>	<p>Personal clean cloth for sneezing and coughing</p> <p>Re-useable materials be washed and ironed daily</p> <p>Hand washing facility</p> <p>Covered Waste bin</p>	<p>Teachers</p> <p>Prefects</p> <p>School Nurse</p> <p>Matron</p>

School surveillance

interventions	Details	requirements	Resp Persons
surveillance	<p>At the entrance Quick check by teachers on duty ie temperature screening and symptoms like of a fever, flue and cough.</p> <p>Learners presenting with symptoms will be held in a separate room including learners identified before school entry and during the course of the day.</p>	<ul style="list-style-type: none"> • Infrared thermometers • IEC materials • standard case definition • School nurse • Isolation room <ul style="list-style-type: none"> • orientation of teachers, • school nurse 	<p>National Task force District Task force SMC/BOGs Principals</p>
	<p>Screening for teaching and non teaching staff.</p> <p>Any person identified with signs and symptoms will be handed over to laboratory team for further testing.</p>		

Safety and security

INTERVENTION	DETAILS	REQUIREMENT	RESP PERSON
Safety and security	<p>Physical barriers to restrict entry and exit of intruders</p> <p>School guards , teachers on duty and SMC/ BOGs to restrict movement within the school premises</p> <p>People to restrict/ protect the learners</p> <p>Surveillance system should be in place</p>	<p>Fence (Natural or built)</p> <p>School guards</p> <p>SOPs</p> <p>Orientation of school community</p> <p>Infra- red thermometers</p>	<p>DEO, DIS, Directors, SMC, BOGs, Principals, Head Teachers, Police. Head of security personnel in school.</p>
	<p>Screening should be conducted at the entrance</p> <p>A one designated entry point to the school</p> <p>Hault Biometric registration of staff and learners</p>	<p>Data</p> <p>Data collecting tools and procedures</p>	

FACIAL MASKS

INTERVENTION	DETAILS	REQUIREMENTS	RESP PERSON
FACIAL MASKS	<p>Protective wear for limiting the spread of the respiratory infections including Corona Virus.</p> <p>Correct use of MoH recommended masks is protective to transmission of corona virus.</p> <p>❑ STEPS ON THE CORRECT USE OF MASKS</p> <p><i>Step 1:</i> wash hands with soap and water</p> <p><i>Step2:</i> Place the masks carefully to cover mouth, nose and tie properly to minimize any gaps between face and mask</p> <p><i>Step3:</i> Covered side of the mask faces outwards with metallic strip uppermost</p> <p><i>Step4:</i> Tie the two top strings firmly at the back of the head</p> <p><i>Step5:</i> Tie the bottom strings at the back of the neck</p> <p><i>Step6:</i> Fit flexible nose piece over the nose bridge</p> <p><i>Step7:</i> Mould the flexible metal tab above the bridge of the nose to help secure the mask</p> <p><i>Step8:</i> Don't touch the front but remove the lace from behind</p>	<p>Masks</p> <p>Disposable and re-usable</p> <p>Orientation of staff and materials</p> <p>Disinfectant</p>	<p>District task force, DEO, DIS, Directors</p> <p>Principals</p> <p>BOGs</p>

FACIAL MASKS CONTD

INTERVENTION	DETAIL	REQUIREMENT	RESP PEROSN
	<p>❑ <i>MANAGING THE RE-USABLE MASK</i></p> <p>Step 1: Hand washing</p> <p>Step2: Wash the mask daily with soap and water</p> <p>Step3: Iron properly</p> <p>Step 4: Avoid sharing masks</p> <p>❑ <i>Managing non reusable masks</i></p> <p><i>Note</i></p> <ul style="list-style-type: none"> <i>Don't use cloths(cotton ,gauze) and other unhygienic materials as masks</i> <i>Children under 6 years should not wear facial mask and those with chronic obstructive airway conditions</i> 	<p>Disposable and re-usable</p> <p>Flat irons</p> <p>Charcoal boxes</p> <p>Drying lines</p> <p>Face shields for the laboratory staff and learners</p> <p>SOPs on COVID-19</p> <p>Orientation of staff and materials</p> <p>Disinfectant</p> <p>ABHR</p>	

Waste Management

Intervention	Details	Requirement	Resp Person
Waste Management	<p>Sources of waste include: disposable masks, paper tissues, gauze and health care waste</p> <p>Proper means of waste disposal</p> <p>Procedures of storage, collection, transportation and final disposal</p>	<p>Provision waste segregation bins</p> <p>Designated final disposal points</p> <p>PPE for managing/handling waste</p> <p>Transport equipment e.g wheel burrows</p> <p>Hand washing facilities</p>	<p>Directors</p> <p>Principals</p> <p>Head teachers</p> <p>Teachers on duty</p> <p>Prefects</p>

Thank you.

