

## **COVID-19 Facility Assessment Resources**

The complete directory can be accessed here: https://path.box.com/s/p96ff2i0vkjt0twlerq6r0t8fse73dko The directory was developed by PATH and CHAI as part of the COVID-19 Respiratory Care Response Coordination project

## Resources described in this document:

(1)		Biomedical Equipment for COVID-19 Case Management (Word)
(2)	PDF	Biomedical Equipment for COVID-19 Case Management (PDF)
(3)	X	Biomedical Equipment for COVID-19 Case Management (Excel)
(4)		COVID-19 Health Facility Phone Survey Guidance
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(6)		SurveyCTO for COVID-19 Inventory Tools: Data Manager Guide
(7)		Using SurveyCTO for COVID-19 Inventory Tools (support guide)
(8)	P	Setting up 'SurveyCTO Collect' on Tablets and Mobiles
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## About COVID-19 Respiratory Care Response Coordination consortium

PATH, the Clinton Health Access Initiative (CHAI), and the Every Breath Counts (EBC) coalition are leading the **COVID-19 Respiratory Care Response Coordination** project to support country decision-makers in the development and execution of a comprehensive respiratory care plan to meet the demands of COVID-19. The project is also pursuing strategies to help prioritize and improve access to oxygen therapy and other essential equipment involved in respiratory care as an integral part of health systems strengthening, beyond the pandemic response. For information: oxygen@path.org.

(1)	Biomedical Equipment for COVID-19 Case Management: Inventory tool for facility readiness and equipment re-allocation					
Author	World Health Organization					
Audience	health facility administrators, health care workers, procurement officers, planning officers, biomedical engineers, infrastructure engineers					
	biomedical equipment fo printed and completed by which are images to help Information from the cor directory) for aggregation	This facility-based survey is designed for rapid deployment and assessment of biomedical equipment for COVID-19 treatment and response. The paper survey can be printed and completed by hand and comes with "showcards" (#10 in this directory), which are images to help data collectors correctly identify devices and products. Information from the completed surveys are then entered into the Excel form (#3 in the directory) for aggregation and sharing. The facility-based survey is available in two different formats for country adaptations and ease of data collection – Word document				
		Generator	r Stabilizer (Y	r/N) U	PS (Indicate Inverter (Y/N)	
	If electrical generator(s) at the facility, please complete the following details for those functional	facility, please complete the following details for those				
	Please list all wards that have dependable voltage stabilization; double conversion uninterruptible power supply	<ul> <li>Emergency room</li> <li>Intensive care</li> <li>Surgery</li> <li>Hospitalization</li> <li>Laboratory</li> <li>Imaging</li> </ul>				
	Does Facility have any emergency transport vehicles or	~	xygen → If yes, how mai thout oxygen → If yes, h	*		
		□ □ Yes No	If yes, what is their job Title	o title:	Number	
	Is there a clinical staff at your facility that has experience in invasive mechanical ventilation / intubation	□ □ Yes No	If yes, what is their job	o title:	Number	
	SECTION IIIa: VITAL SIGN M	ONITORING	DEVICES			
	Instructions: Count the number of	f patient vital si	ign monitoring devices at	t the facility	by functionality and type.	
	Туре	Numbe	r Functional		Number Non-functional	
Access	Via Box: https://path.box. Via WHO web site: https:, 19_medequipment/en/		•		•	
File type:	Word document (1) Biomedical Equipment	t for COVID-:	19 Case Management:	Inventory t	cool for facility	

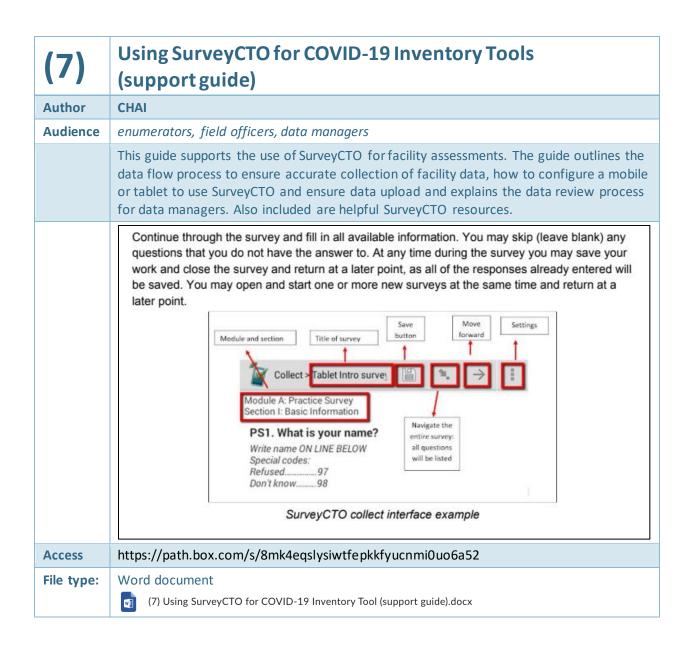
(2)	Biomedical Equipment for COVID-19 Case Management						
Author	World Health Organization						
Audience	health facility administrators, clinical decision makers, procurement officers, planning officers, biomedical engineers, infrastructure engineers						
	This facility-based survey is designed for rapid deployment and assessment of biomedical equipment for COVID-19 treatment and response. The paper survey should be printed and completed by hand and comes with "showcards" (#10 in this directory) which are images to help data collectors correctly identify devices and products. The facility-based survey is available in two different formats for country adaptations and ease of data collection – Word document (#1 in this directory) and PDF file (#2 in this directory).						
	Generator Stabilizer (Y/N) UPS (Indicate Inverter (Y/N)						
	If electrical generator(s) at the facility, please complete the following details for those functional     Capacity (kVa)     Capacity)						
	Please list all wards that have						
	Does Facility have any       □       Yes, with oxygen → If yes, how many?         emergency transport vehicles or       □       Yes, but without oxygen → If yes, how many?         ambulances?       □       No						
	Is there a staff at your facility dedicated to the management, installation, and maintenance of medical equipment?						
	Is there a clinical staff at your facility that has experience in Ves No Vintubation No Title Number						
	SECTION IIIa: VITAL SIGN MONITORING DEVICES						
	Instructions: Count the number of patient vital sign monitoring devices at the facility by functionality and type.						
	Type Number Functional Number Non-functional						
Access	https://path.box.com/s/0qx3gz6gk77v6fqqaa6w6wga18d2ul59						
File type:	PDF file (2) Biomedical Equipment for COVID-19 Case Management (pdf)_2020_05_07.pdf						

(3)	Biomedical Equipment for COVID-19 Case Management												
Author	World Health Organization												
Audience	data coll	ectors, da	ata mana	agers, dat	a entry a	operators							
	in tander Each faci	This excel-formatted version of the biomedical equipment survey tool may be deployed in tandem with the paper version of the survey as required by stakeholders and users. Each facility occupies one row of the excel sheet. This form can be used for data entry of paper forms.											
	ECTION IIID PULSE DXIMETERS												
				Instructio	ns: Count the number o	f pulse oximeters at the f	acility by functio	nality and type.					
			ı	IYPE									
	Table-top pu	lse oximeter	Portable handh	eld pulse oximeter	Self-contained fin	ertip pulse oximeter	IF NON-FUN	ICTIONAL FOR		I, PLEASE IND ON FUNCTION		ISON(S) THE DE	/ICES ARE
	FUNCTIONAL	NON-FUNCTIONAL	FUNCTIONAL	NON-FUNCTIONAL	FUNCTIONAL	NON-FUNCTIONAL	No spare parts	No funds for maintenance	No training to use or to repair	No consumables (cables, sensors)	Not installed	No distributor in the country	Other (specify)
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Access	https://path.box.com/s/f2tgysbqmmjecl34etpm3ia3dv749t82												
File type:	Excel doo		quipment f	for COVID-19	Case Man	agement (ex	cel)_202	20_05_0	07.xlsx				

(4)	COVID-19 Health Facility Phone Survey Guidance
Author	РАТН
Audience	enumerators, field officers
	If conducting a health facility assessment over the phone, it is important to standardize the data collection process to ensure accuracy of facility data. This document outlines a protocol for conducting assessment surveys by phone as an example of all elements to be included and can be adapted for your country context. Procedural information starts from before a phone conversation begins, walks through potential scenarios and responses, discusses potential challenges and how to properly complete your survey work at the end of the day.
	COVID-19 Health Facility Phone Survey GuidanceThis document is intended to provide guidance for enumerators or field officers to conduct a health facility phone survey as part of COVID-19 assessment work. It outlines three key steps involved in conducting a survey, as well as various scenarios and suggested responses.Step 1: Prepare to conduct a phone surveyAs a general rule, phone surveys should start in the morning (e.g. 8.30 AM every day, unless there are scheduled earlier appointments). Prior to the start of the survey work, teams should hold daily debriefs to address any issues from the day before.
	Be prepared         Before starting every call, each enumerator should run through the following check list to ensure they are ready:         • You have a fully charged tablet (or other data collection device) with the pre-installed correct version of the survey. If unsure about which version of the survey should be used, please clarify with your team leader.         • You have a fully charged phone, loaded with enough <u>airtime</u> and subscribed minutes to be able to reach all the participants you plan to call for the day.         • You have a printed tracking sheet with the list of respondents you need to call that day. This list should have the Household ID, the respondents names, and phone numbers.         • You have a notebook and a pen.         • You have a charging facility near you, i.e. an extension cable and a charger.
Access	https://path.box.com/s/5rxwu2r1tr3nzn4nea4l9ccpdy17fwii
File type:	Word document (4) COVID-19 Health Facility Phone Survey Guidance.docx

(5)	Biomeo	dical Equipr	nent S	urvey	CTO Guide		
Author	РАТН						
Audience	data collec	ctors, data manag	gers, dat	a entry or	perators		
	electronic	(SurveyCTO) vers , explains how re	ion of th	e tool. Th	the use of the Biomedical E he excel file defines the var , and how to handle data fi	ious fields u	ised in
	A type	<ul> <li>В</li> <li>Туре</li> </ul>	C Option list name	variable name	Question label	F Additional desc	G
	start	Auto-fill (metadata)		starttime	n/a	Automatically fill	ed: time the su
	end	Auto-fill (metadata)		endtime	n/a	Automatically fill	ed: time the su
	username	Auto-fill (metadata)		username	n/a	Automatically fill	ed: username f
	deviceid	Auto-fill (metadata)		deviceid	n/a	Automatically fill	ed: data collec
	subscriberid	Auto-fill (metadata)		subscriberid	n/a	Automatically fill	ed: data collect
	simserial	Auto-fill (metadata)		simid	n/a	Automatically fill	
	phonenumber	Auto-fill (metadata)		devicephonenum	n/a	Automatically fill	
	calculate	Auto-fill (metadata)		duration	n/a	Automatically fill	ed: total duration
	select_one country	Multiple choice (one selection)	country	country	Country		
	text	Free text		admin1	Admin 1		
	text	Free text		admin2	Admin 2		
	text	Free text	tune.	facility_name	Name of facility		
	select_one type text	Multiple choice (one selection) Free text	type	facility_type facility_type_other	Type of facility Other facility type (specify)	Write-in answer	if "other encelf
	text	Free text		collector name	Name of data collector	write-in answer	<ul> <li>outer, specify</li> </ul>
	text	Free text		collector phone	Data collector's phone number		
	text	Free text		facility head	Name of head of facility		
	text	Free text		facility_phone	Phone number of head of facility		
	integer	Integer		beds	What is the total bed capacity in this facility?		
	integer	Integer		beds_icu	Of the total beds, how many can be used for intensive care?		
Access	https://pat	h.box.com/s/6c0	)4xgdqylc	hvzqgz40	drqh952zu72pas		
File type:	Excel docu	ment omedical Equipment Su	urvey CTO (	Guide.xlsx			

(6)	SurveyCTO for COVID-19 Inventory Tools: Data Manager Guide				
Author	CHAI				
Audience	data managers				
	This guide should support data managers as they access and use SurveyCTO the Biomedical Equipment Facility Assessment. This document clarifies the roles and responsibilities of the data manager, how to perform data review and approval on SurveyCTO, how to download data, review paper-based assessments and respond to suspicious data.				
	Image: Survey Using Survey CTO       Image: Survey Using Survey Using Survey CTO       Survey Is uploaded to Survey CTO cloud server when network or Wifi is available       Image: Data manager reviews Survey Submissions         If there is survey Using Survey				
	If there is survey issues If there is survey issues If there is survey issues After data manager corrects the survey issue After data manager corrects the survey issue Data manager corrects the issue on SurveyCTO web platform.				
Access	https://path.box.com/s/5x2tekguf9nuky87cgm6diud53swkvlo				
File type:	Word document				
	(6) SurveyCTO for COVID-19 Inventory Tools: Data Manager Guide.docx				



(8)	Setting-up 'SurveyCTO Collect' on tablets and mobiles					
Author	PATH					
Audience	Data collectors, enumerators, data managers					
	This training tool walks through how to download the "SurveyCTO Collect" app for mobiles and tablets, as well as how to select and download country specific facility assessments. The training uses screengrabs of the app interface to clearly show the process step-by-step.					
	Image: Problem: Pro					
Access	https://path.box.com/s/wb5ey59jxcrw7lxe5w9ovad96jgicb53					
File type:	PowerPoint file					
	(8) Setting-up 'SurveyCTO Collect' on tablets and mobiles.pptx					

(0)	SurveyCTO Training Aide for WHO COVID-19 Oxygen				
(9)	Therapy Assessment				
Author	РАТН				
Audience	data collectors, enumerators, data managers				
	This training guide supports the use of the "SurveyCTO Collect" app to conduct facility assessments for oxygen equipment in health facilities. The training describes patterns and formatting within the survey "app", as well as the various question types and how to navigate within the app.				
	Count the number of patient vital sign monitoring devices by functionality and type. Give a number answer.				
	FUNCTIONAL - Patient monitor with integrated ECG				
	10				
	NON-FUNCTIONAL - Patient monitor with integrated ECG				
	2 ,4				
	FUNCTIONAL - Patient monitor without integrated ECG				
	ь.				
	NON-FUNCTIONAL - Patient monitor without integrated ECG				
	0				
	Ned >				
Access	https://path.box.com/s/70anur6akqlkxofltqc184cxukqs9128				
File type:	PowerPoint file				
	(9) SurveyCTO Training Aide for WHO COVID-19 Oxygen Therapy As				

(10)	Showcards					
Author	РАТН					
Audience	data collectors, enumerators, data managers					
	Showcards are pictures that correspond to the respiratory care equipment discussed within the facility survey assessments. These photos should help survey users understand what equipment is being asked about and may help in accurate data collection.					
	Oxygen delivery interface					
	Nasal cannula Nasal Catheter Face mask Venturi Mask (nasal prongs)					
Access	https://path.box.com/s/1ir4wfqfoutwy0ok5ia73y3yy2rp9lzj					
File type:	PNG image files					
	(10) Showcards					

(11)	Data Quality Checks - Guide for Data Mangers						
Author	РАТН						
Audience	data managers						
	Part of the responsibility of data mangers, as described in the SurveyCTO for COVID-19 Inventory Tools: Data Manager Guide (#6 in this directory), is to review biomedical equipment surveys for COVID-19. This guide describes the types of data errors that could be made by data collectors, and how a data manager can review surveys to identify potential mistakes. Also included are descriptions of automated data quality checks, which are programmed within SurveyCTO to flag potential data errors and simplify the data review process.						
	A B C D E F G H						
	1 Type variable name Question label (as it appears in surveyC Automate Quality check type Conditions of quality check						
	2       Free text       admin1       province/region         3       Free text       admin2       district/country name         5       Free text       admin4       district/country code         6       Free text       admin5       town/city         7       Free text       admin5       town/city         8       Free text       facility_name       Name of facility         9       Free text       facility_code       Facility code         10       Free text       facility_type_other       Other facility         11       Free text       facility_code       Facility code         12       Free text       facility_phone       Other managing authority (specify)         13       Free text       facility_name       Name of head of facility         14       Free text       facility_cenail       email address of manager of facility         15       Free text       collector_phone       Data collectors email address       N         16       Free text       collector_role       Data collector's position or role       N       ally to make sure fields are         16       Free text       electricity_other       Specify the other source of electricity       Value is to high, value is 10>X>500						
Access	https://path.box.com/s/4cteqn0z0qo8lqa2icqbb6t8vp0zc8de						
File type:	Excel document          Image: state of the stat						