Process Indicators

	Indicator	Frequency of data collection	Person collecting	Source of data	Tool required	Data type
Intervention indicator	s (community groups)					
	Training fidelity (facilitator)	Once	Jigawa UCH manager	Observation	Checklist	Mixed
	Number of sessions conducted	Monthly	Facilitator	Register	Log book	Quantitative
Intervention fidelity	Content of sessions	Monthly	Facilitator	Register	Log book	Quantitative
	Participatory-ness of sessions	Monthly	Facilitator	Register	Log book	Mixed
	Supervision visits conducted	Monthly	STC supervisor	Work plans	Work plan	Quantitative
	Number of attendees	Monthly	Facilitator	Register	Log book	Quantitative
Intervention reach	Profile of attendees	Monthly	Facilitator	Register	Log book	Quantitative
	Distance travelled	Monthly	Facilitator	Register	Log book	Quantitative
	Number trained to competency	Once	STC trainer	Observation	Checklist	Quantitative
	Number retained	Once	STC trainer	HR records	Questionnaire	Quantitative
Facilitator	Facilitator profiles	Once	STC trainer	HR records	Questionnaire	Quantitative
characteristics	Intervention strategies	Once	Facilitator	Register	Log book	Quantitative
	Trainer/supervisor perceptions	Midline/endline	UCH data collectors	Interviews	Topic guide	Qualitative
	Facilitator perceptions	Midline/endline	UCH data collectors	Group discussions	Topic guide	Qualitative
Intervention indicator	s (community-facility link)					
	Training fidelity (facilitator)	Once	Field manager	Observation	Checklist	Mixed
	Number of sessions conducted	Monthly	Facilitator	Register	Log book	Quantitative
Intervention fidelity	Content of sessions	Monthly	Facilitator	Register	Log book	Quantitative
	Action points developed	Monthly	Facilitator	Register	Log book	Quantitative
	Action points delivered	Monthly	Facilitator	Register	Log book	Quantitative
	Number of attendees	Monthly	Facilitator	Register	Log book	Quantitative
Intervention reach	Profile of attendees	Monthly	Facilitator	Register	Log book	Quantitative
	Distance travelled	Monthly	Facilitator	Register	Log book	Quantitative
Fe eiliteten	Number trained to competency	Once	STC trainer	Observation	Checklist	Quantitative
Facilitator characteristics	Number retained	Once	STC trainer	HR records	Questionnaire	Quantitative
	Facilitator profiles	Once	STC trainer	HR records	Questionnaire	Quantitative

Training coverage over timeBiannualSTC trainerObservationChecklistQuantitativeOxygen system functionalityBase/mid/endlineUCH data collectorsAuditQuestionnaireQuantitativeOximeter functionalityBase/mid/endlineUCH data collectorsAuditQuestionnaireQuantitativeFacilitatorTrainer/supervisor perceptionsMidline/endlineUCH data collectorsInterviewsTopic guideQualitativeFacilitatorProvider perceptionsMidline/endlineUCH data collectorsGroup discussionsTopic guideQualitativeCharacteristicsProvider perceptionsMidline/endlineUCH data collectorsGroup discussionsTopic guideQualitativeDrug stock auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeHMIS auditsQuarterlySTC supervisorObservationQuestionnaireQuantitative		Intervention strategies	Once	Facilitator	Register	Log book	Quantitative
Intervention indicators (health systems) Training fidelity Once Jigawa STC manager Observation Checklist Mixed Pre/Post testing Once STC trainer Survey Questionnaire Qualitative Intervention fidelity Supervision reports Monthly STC supervisor Observation Checklist Qualitative Intervention fidelity Supervision visits conducted Monthly STC supervisor Work plans Work plans Quantitative Oximeter functionality Base/mid/endline UCH data collectors Audit Questionnaire Quantitative Facilitator Trainer/supervisor perceptions Midline/endline UCH data collectors Group discussions Topic guide Qualitative Context Supply chain audits Quarterly STC supervisor Observation Questionnaire Quantitative Context Supply chain audits Quarterly STC supervisor Observation Questionnaire Quantitative Context Supply chain audits Quarterly STC supervisor Observation Questionnaire Quantitative Correct IMCI dasesement Quarterly		Trainer/supervisor perceptions	Midline/endline	UCH data collectors	Interviews	Topic guide	Qualitative
Training fidelityOnceJigawa STC managerObservationChecklistMixedPre/Post testingOnceSTC trainerSurveyQuestionnaireQuantitativeSupervision reportsMonthlySTC supervisorObservationChecklistQualitativeSupervision visits conductedMonthlySTC supervisorWork plansWork plansQuantitativeTraining coverage over timeBiannualSTC trainerObservationChecklistQuantitativeOxygen system functionalityBase/mid/endlineUCH data collectorsAuditQuestionnaireQuantitativeCalitatorTrainer/Supervisor perceptionsMidline/endlineUCH data collectorsAuditQuestionnaireQuantitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeClinical indicatorsTotal case numbersQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IMCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IndCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IndCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IndCI diagnosisQuarterlyJigawa UCH mana		Facilitator perceptions	Midline/endline	UCH data collectors	Group discussions	Topic guide	Qualitative
Pre/Post testing Supervision reportsOnce MonthlySTC trainer SupervisionQuestionnaire ObservationQuantitative ChecklistIntervention fidelitySupervision visits conductedMonthlySTC supervisorObservationChecklistQuantitativeSupervision visits conductedMonthlySTC supervisorWork plansWork plansQuantitativeOxygen system functionalityBase/mid/endineUCH data collectorsAuditQuestionnaireQuantitativeOxygen system functionalityBase/mid/endineUCH data collectorsAuditQuestionnaireQuantitativeFacilitatorTrainer/supervisor perceptionsMidline/endlineUCH data collectorsInterviewsTopic guideQualitativecharacteristicsProvider perceptionsMidline/endlineUCH data collectorsInterviewsTopic guideQualitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeClinical indicatorsUarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IMCI assessmentQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IMCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect referral decisionQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect referral decisionQuarterlyJigawa UCH manager	Intervention indicators	s (health systems)					
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Training coverage over time Oxygen system functionality Oxygen system functionalityBiannual Base/mid/endlineSTC trainer UCH data collectorsObservation AuditChecklist QuestionnaireQuantitative QuantitativeFacilitator characteristicsTrainer/supervisor perceptionsMidline/endline UCH data collectorsUCH data collectorsAuditQuestionnaireQuantitativeFacilitator characteristicsTrainer/supervisor perceptionsMidline/endlineUCH data collectorsInterviewsTopic guideQualitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeClinical indicatorsUTotal case numbersQuarterlySTC supervisorObservationQuestionnaireQuantitativeClinical indicatorsTotal case numbersQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IMCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect referral decisionQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect referral decisionQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect referral decisionQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeSecondary		Supervision reports	Monthly	STC supervisor	Observation	Checklist	Qualitative
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Oximeter functionalityBase/mid/endlineUCH data collectorsAuditQuestionnaireQuantitativeFacilitator characteristicsTrainer/supervisor perceptionsMidline/endlineUCH data collectorsInterviewsTopic guideQualitativeProvider perceptionsMidline/endlineUCH data collectorsGroup discussionsTopic guideQualitativeDrug stock auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeContextSupply chain auditsQuarterlySTC supervisorObservationQuestionnaireQuantitativeClinical indicatorsTotal case numbersQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeProportion pneumonia diagnosesQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IMCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect IMCI diagnosisQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeCorrect referral decisionQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeOxygen treatmentBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativePneumonia point prevalenceBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativePneumonia point prevalenceBase/mid/endlineData collectorHousehold int		Training coverage over time	Biannual	STC trainer	Observation	Checklist	Quantitative
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Correct referral decisionQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativeOxygen treatmentBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativeSecondary care CFRQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativePneumonia point prevalenceBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativePneumonia 2-week prevalenceBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativeMalnutritionBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativeCommunity behavioursCommunity behavioursCommunity behavioursQuestionnaireQuantitative		Correct IMCI diagnosis	Quarterly	Jigawa UCH manager	Facility register	Extraction tool	Quantitative
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Secondary care CFRQuarterlyJigawa UCH managerFacility registerExtraction toolQuantitativePneumonia point prevalenceBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativePneumonia 2-week prevalenceBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativeMalnutritionBase/mid/endlineData collectorHousehold interviewsQuestionnaireQuantitativeCommunity behavioursCommunity behavioursCommuni		Correct referral decision	Quarterly	Jigawa UCH manager	Facility register	Extraction tool	Quantitative
Pneumonia point prevalence Base/mid/endline Data collector Household interviews Questionnaire Quantitative Pneumonia 2-week prevalence Base/mid/endline Data collector Household interviews Questionnaire Quantitative Malnutrition Base/mid/endline Data collector Household interviews Questionnaire Quantitative Community behaviours Community behaviours Community behaviours Community behaviours Community behaviours		Oxygen treatment	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Pneumonia 2-week prevalence Base/mid/endline Data collector Household interviews Questionnaire Quantitative Malnutrition Base/mid/endline Data collector Household interviews Questionnaire Quantitative Community behaviours Community behaviours Data collector Household interviews Questionnaire Quantitative		Secondary care CFR	Quarterly	Jigawa UCH manager	Facility register	Extraction tool	Quantitative
Malnutrition Base/mid/endline Data collector Household interviews Questionnaire Quantitative Community behaviours Community behaviours <td></td> <td>Pneumonia point prevalence</td> <td>Base/mid/endline</td> <td>Data collector</td> <td>Household interviews</td> <td>Questionnaire</td> <td>Quantitative</td>		Pneumonia point prevalence	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Community behaviours		Pneumonia 2-week prevalence	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
· · · · · · · · · · · · · · · · · · ·		Malnutrition	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Immunisation Base/mid/endline Data collector Household interviews Questionnaire Quantitative	Community behaviour	'S					
		Immunisation	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative

Exclusive breastfeeding	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Cooking fuel	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Water and Sanitation	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Vitamin A	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Soap for handwashing	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Location of first seeking care	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Any care seeking	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
Smoking exposure	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative
TB exposure	Base/mid/endline	Data collector	Household interviews	Questionnaire	Quantitative

Economic Indicators

	Indicator	Frequency of data collection	Person collecting	Source of data	Tool required	Data type
Provider side (commu	nity group)					
	Training facilitators	Baseline	STC administration	STC accounts	Budget tool	Quantitative
Start-up costs	Facilitator recruitment	Baseline	STC administration	STC accounts	Budget tool	Quantitative
	Community entry	Baseline	STC administration	STC accounts	Budget tool	Quantitative
	Equipment	Endline	STC administration	STC accounts	Budget tool	Quantitative
	Facilitators allowances	Endline	STC administration	STC accounts	Budget tool	Quantitative
Implementation costs	Supervisor salaries	Endline	STC administration	STC accounts	Budget tool	Quantitative
0313	Supervision costs	Endline	STC administration	STC accounts	Budget tool	Quantitative
	Overhead/infrastructures	Endline	STC administration	STC accounts	Budget tool	Quantitative
Time cost	Travel time and cost	Monthly	Facilitators	Meeting registers	Log-book	Quantitative
Time cost	Meeting duration	Monthly	Facilitators	Meeting registers	Log-book	Quantitative
Patient side (communi	ity meetings)					
	Travel time and cost	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
Meeting attendance	Meeting duration	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
	Opportunity costs	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative

	Time spent on group activity	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
Group activities	Money spent on group activity	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
	Income generating activities	Once	UCH data collector	One-off survey	Questionnaire	Quantitative
Provider side (commur	nity-facility link)					
	Training facilitators	Baseline	STC administration	STC accounts	Budget tool	Quantitative
Start-up costs	Facilitator recruitment	Baseline	STC administration	STC accounts	Budget tool	Quantitative
	Community entry	Baseline	STC administration	STC accounts	Budget tool	Quantitative
	Facilitators allowances	Endline	STC administration	STC accounts	Budget tool	Quantitative
Implementation	Supervisor salaries	Endline	STC administration	STC accounts	Budget tool	Quantitative
costs	Supervision costs	Endline	STC administration	STC accounts	Budget tool	Quantitative
	Overhead/infrastructures	Endline	STC administration	STC accounts	Budget tool	Quantitative
Time cost	Travel time and cost	Monthly	Facilitators	Meeting registers	Log-book	Quantitative
	Meeting duration	Monthly	Facilitators	Meeting registers	Log-book	Quantitative
Patient side (communi	ty-facility link)					
	Travel time and cost	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
Meeting attendance	Meeting duration	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
	Opportunity costs	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
Group activities	Time spent on group activity	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
	Money spent on group activity	Mid/endline	UCH data collector	Household survey	Questionnaire	Quantitative
Provider side (PPE/IPC	and oxygen strengthening)					
	IPC/PPE training	Endline	STC administration	STC accounts	Budget tool	Quantitative
	IPC/PPE equipment	Endline	STC administration	STC accounts	Budget tool	Quantitative
Start-up costs	Pulse oximeters	Endline	UCL	UCL accounts	Invoices	Quantitative
Start-up costs	Oxygen concentrators	Endline	UCL	UCL accounts	Invoices	Quantitative
	Pulse oximetry training	Endline	Oxygen for Life	OLI accounts	Invoices	Quantitative
	Oxygen training	Endline	Oxygen for Life	OLI accounts	Invoices	Quantitative
Implementation	Supervision	Endline	STC administration	STC accounts	Budget tool	Quantitative
Implementation costs	Salaries	Endline	STC administration	STC accounts	Budget tool	Quantitative
00313	Maintenance	Endline	STC administration	STC accounts	Budget tool	Quantitative
Time cost	Time use	Baseline/endline	UCH data collector	Observation	Checklist	Quantitative

Patient side (Health system strengthening)									
Cost to patient	Baseline/endline	UCH data collector	Household survey	Questionnaire	Quantitative				
Caregiver motivations	Baseline/endline	UCH data collector	Household survey	Questionnaire	Quantitative				
Time taken to seek care	Baseline/endline	UCH data collector	Household survey	Questionnaire	Quantitative				

STC: Save the Children; UCH: University College Hospital Ibadan; OLI: Oxygen for Life Initiative; IPC: Infection prevention and control; PPE: personal protective equipment