



One Health National Bridging Workshop Roadmap of the Federal Republic of Somalia

Developed on 13-15 November 2023 in Nairobi, Kenya, by representatives from the Ministry of Health, Ministry of Livestock, Forestry and Range, Ministry of Environment and Ministry of Agriculture and Irrigation.

Activity	Timeline	Difficulty	Impact	Responsibility	Process
COORDINATION AT HIGH, TECHNICAL AND LOCAL LEVEL					
Objective 1: To establish a High level Ministerial (MoH, MoLFR, MoECC and MoAI) system to govern, manage, coordinate and supervise One Health activities					
Establish a High level Ministerial One Health steering committee	Q1 2024	+	+++	MoH, MoLFR, MoECC, and MoAI	<ul style="list-style-type: none"> Conduct consultation meeting to agree on establishment of a high level ministerial steering committee Develop ToRs for the steering committee
Establish a National One Health secretariat	Q1 2024	+	+++	MoH, MoLFR, MoECC, and MoAI	<ul style="list-style-type: none"> Nominate focal points from each sector to establish a national ne Health secretariat Develop the ToR for national One Health secretariat Organize Multi sectoral Coordination Mechanism (MCM) workshops
Develop a Memorandum of Understanding on mutual collaboration	Q1-Q2 2024	+	+++	Legal and Technical Departments of MoH, MoLFR, MoECC, and MoAI	<ul style="list-style-type: none"> Agree to draft MoU at high level Draft MoU including Animal and Human Health, plant, and environment inputs Conduct internal consultations within each sector Approve the MoU by all involved parties Commence MoU
Objective 2: To enhance collaboration and partnership at inter-ministerial level for implementation of One Health activities					
Establish multi-sectorial technical working groups for zoonotic diseases, AMR, Food safety involving all the stakeholders at federal level	Q3 2024	+	+++	MoH, MoLFR, MoECC, and MoAI	<ul style="list-style-type: none"> Nominate focal points from each stakeholder to join the different technical working groups. Develop the membership criteria to join the different committees Invite international, regional partners, academia, private sector, and communities
Review and further develop strategies and plans for One Health technical areas and align with existing national plans such as the national Action Plan for Health Security (NAPHS) and other strategies including the National Action Plan on Combating Antimicrobial Resistance and Veterinary Drug control policy.	Q3 2024	+	+++	MoH, MoLFR, MoECC, and MoAI, Somali Bureau of Standards (SOBS)	<ul style="list-style-type: none"> Desk review the existing strategies and plans (e.g. NAPHS, AMR NAP and Sectorial strategic plans) Conduct cross-sectional survey on zoonotic diseases, AMR, Food safety AMR from the wildlife and the environment
FIELD INVESTIGATION AND RESPONSE					
Objective 3: Establishing framework for fields investigation and response					
Develop joint contingency plans for priority zoonotic diseases surveillance and response	Q2 2024	+++	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Develop contingency plan/s involving all concerned parties with different scenarios, with the collaboration of all stakeholders including NGOs, and international organizations (WHO, WOAHA, FAO...) Validate the contingency plan

					<ul style="list-style-type: none"> Dissemination of contingency plan to all involved parties
Conduct Joint Risk Assessment for the priority zoonotic disease and other acute public health events	Q4 2024	+++	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Conduct a ToT training (25 trainees) at National level on Joint Risk Assessment Conduct 6 sub-national Joint Risk Assessment training for priority zoonotic and food-borne diseases
Establish multi-sectoral Rapid Response Teams (RRTs) at national level and subnational level	Q2 2024	+	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Activate the multisectoral RRT at national level. Specify and identify the role and responsibilities Establish a list of persons involved in RRT unit and a Roster list Train the RRT on various One Health Approach and joint activities
Map out a comprehensive assessment of available emergency response resources at the national to local levels for One Health	Q2 2024	+	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Stakeholder engagement and identification of resources Review of available resources
Conduct joint training in line with the One Health approach for national and sub-national RRTs	Q4 2024	++	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Establish training plan Selection of the expert (national & sub national experts) that are qualified in the field needed Prepare training material by the experts Conduct TOT training Conduct the cascade training Establish roster of trained individuals (database)
Conduct a training on One Health alert detection, report, joint outbreak investigation and response	Q4 2024	+	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Review existing training plan available of joint outbreak investigation Develop/adapt a training plan for One Health workforce Identify and engage trainers Conduct a training at national and subnational levels.
Integrate One Health approach in the Field Epidemiology Training Program and expand the participation to all technical officer relevant to One Health including a module on AMR & MAU	Q2 2024	++	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Map out the existing OH workforce development Select the suitable curriculum for One Health approach Conduct TOT Cascade the training
Objective 4: Assess preparedness and response capacities for health threats at the human-animal-environment interface					
Conduct a national and subnational One Health tabletop simulation exercise on Public Health Emergency Operations Center (PHEOC) SOPs.	Q4 2024	+	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Establish a plan of SimEx Conduct SimEx, at national (24 participants) and 6 at subnational level Evaluate the Simex

Conduct a national and subnational One Health tabletop simulation exercise on contingency plans.	Q4 2024	+	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Establish a plan of SimEx Conduct 7 SimEx, 1 at national (24 participants) and 6 at subnational level Evaluate the Simex
Conduct joint SimEx focusing on One Health outbreak response	Q2 2025	++	+++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Select the type of Simex Identify participants Implement the Simex Evaluate the Simex
Conduct an after-action review for zoonotic disease	Q2 2025	+	++	OH TWG, Animal health sector, Human health sector, Environmental sector, Agricultural sector, SODMA Academia, Community members, International Agencies	<ul style="list-style-type: none"> Select the zoonotic priority disease outbreaks Conduct after action review

SURVEILLANCE & LABORATORY

Objective 5: Develop national joint surveillance System for One Health related threats (Human, Animal, and Environment)

Map the existing surveillance systems in different sectors (Zoonotic, food-borne diseases and AMR).	Q1 2024	++	+++	Directors of Health Departments in the relevant ministries	<ul style="list-style-type: none"> Develop a checklist for mapping evaluation. Visit the sectors (Health, Livestock, Agriculture and Environment) Assess the existing surveillance system. Conduct a workshop for harmonization and validate.
Assign surveillance focal points for one health approach at national level and state level	Q1 2024	+	+++	Directors of Health Departments in the relevant ministries	<ul style="list-style-type: none"> Directors will plan the process
Develop national strategic plan for surveillance to the prioritized six zoonotic diseases.	Q2 2024	+++	+++	Directors of Health Departments in the relevant ministries	<ul style="list-style-type: none"> Compile the previous strategic plan and upgrade the new one health surveillance strategic plan. Recruit a consultant. Conduct a workshop to develop the components. Conduct a workshop for validation
Develop capacity for timely detection, reporting for zoonotic diseases and other acute public health events at national and subnational level	Q1				<ul style="list-style-type: none"> Establish integrated CHWs Develop SOPs for alert detection and reporting.
Develop a risk communication and community engagement strategy for one health	Q2				<ul style="list-style-type: none"> Develop RCCE strategy Develop key messages for one health prioritized diseases and events
Expand the current Integrated Disease Surveillance and Response (IDSR) system to include priority zoonotic diseases and other acute public health events	Q4 2024	++	++	One health TWG	<ul style="list-style-type: none"> Update IDSR guidelines Train health workers from animal and human health sector on implementation of IDSR

Objective 6: Enhance the country capacities to identify, report and diagnose, One Health-related threats

Upgrade laboratory facilities specifically for animal and environmental sectors with adequate equipment to meet international standards.	Q2 2024	+++	+++	Lab Directors	<ul style="list-style-type: none"> Conduct mapping assessment to know the existing capacities (infrastructure, Equipment, Reagents and Human resources) for both animal and public health Mobilize the resource to fill the gaps. Implement quality assurance and quality control measures to ensure the accuracy of diagnostic results. Create interlinking laboratory networking system locally and internationally.
Establish or expand access to diagnostic testing for One Health-related threats specifically for animal and environmental sectors	Q2-Q3 2024	++	+++	Directors of National labs	<ul style="list-style-type: none"> Supply reagents and equipment Train the staff Link the existing labs (Public and Private) with the one health system
Assign lab focal point for One Health approach, National and State	Q1 2024	+	++	National One health Focal Point and Directors of National labs	<ul style="list-style-type: none"> One Health focal point will nominate the lab focal points.
Train laboratory technicians and professionals in One Health diagnostics and surveillance.	Q2 2024	+	+++	Directors of National labs	<ul style="list-style-type: none"> Develop SOPs and Guidelines Develop training plan Seek the training budget
Objective 8: Develop intersectoral information sharing mechanisms through One Health approach.					
Link all current data based to IDSR for One Health system for real time data sharing and analysis platforms	Q4 2024	++	+++	Head of Surveillance Unit in different ministries	<ul style="list-style-type: none"> Assessment in all surveillance data platforms in different sectors like human health, animal health etc. Create a joint platform to share data of all zoonotic diseases. Develop Data Management and Analysis Systems: Implement a robust data management system to store, organize, and analyze the collected data. Develop data analysis tools and techniques to identify patterns, trends, and potential risks associated with one health threats.
Establish Surveillance Networks: Create a network of surveillance sites across the country, including hospitals, clinics, veterinary clinics, farms, wildlife sanctuaries, and environmental monitoring stations	Q1 2024	+	+++	Different line ministries, private and public hospitals and civil society.	<ul style="list-style-type: none"> Conduct a risk assessment. Create a joint technical working group for surveillance network. Head of Surveillance Units in different sectors should collaborate.
FINANCE AND EMERGENCY FUNDING					
Objective 9: Develop a 5-year national investment plan for One Health					
Identify and map existing funding sources as well as priority One Health areas with gaps for additional funding.	Q1 2024	++	+++	One Health TWG and relevant stakeholder	<ul style="list-style-type: none"> Development of a structured questionnaire to all relevant stakeholders. Compile report of the findings. Conduct a validation workshop involving high-level authority. Mapping relevant stakeholders for funding

Develop and endorse the draft 5-year investment plan for One Health	Q1 2024/ Q2 2025	++	+++		<ul style="list-style-type: none"> • Hire consultant to develop a draft investment plan including emergency funding for zoonotic diseases. • Drafted plan to be presented to TWG and relevant stakeholders in a workshop. • Revisions adopted and incorporated into final draft. • Side meeting for investment partners to present roadmaps and contingency plans to partners and high-level decision makers. • Workshop to validate and endorse final version of investment plan.
Objective 10: Decentralization of funding for One Health Risk Communication and Community Engagement (RCCE) at district and regional levels					
Putting in place financial structures (MoU between National and State levels) to decentralize One Health budget from national to all levels.	Q4 2024	+++	+++	Legal and Technical Departments of Ministry of Justice (MOJCA), Attorney General Office (AGO) MHSP, MARD, and Ministry of Environment	<ul style="list-style-type: none"> • Draft MoU between National and State levels for the 4-line ministries. • Set up a working group including representatives from MoF and the parliament. • Conduct consultations in each sector. • Approve the MoU by all involved parties • Commence MoU
Capacity building for staff working at regional level on autonomy for financial and HR management.	Q4 2024	+	+++	OHTWG and Financial Expertise	<ul style="list-style-type: none"> • Identify the participants. • Prepare training materials • Conduct the training • Evaluate the training outcome
Objective 11: Establishment of emergency funding structures for priority zoonotic diseases					
Mobilize funds and resources for emergency contingency plans developed for priority zoonotic diseases.	Q4 2024	+	++	TWG from 4 core ministries and supporting ministries such as MoF, MoP	<ul style="list-style-type: none"> • Identification of partners to fund.
Resource mobilization for operationalization of PHEOC	Q4 2024	++	+++	TWG and PHEOC team	<ul style="list-style-type: none"> • Draft concept notes clarifying key areas for funding. • Engage stakeholders and partners.

Difficulty of implementation: Low +, Moderate ++, Very difficult +++

Impact: Low impact +, Moderate impact ++, High impact +++